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STATE AIR POLLUTION IMPLEMENTATION PLAN PROGRESS REPORT, JANUARY 1 TO JUNE 30, 1976

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

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16. ABSTRACT

This report presents data for each state on the attainment/non-attainment status and calls for revision to the State Implementation Plan (SIPs) by Air Quality Control Region (AQCR) and state portion of interstate AQCRs for all criteria pollutants, status of selected portions of the State Implementation Plans, resources (manpower and funding), and compliance status of selected source categories. One hundred twenty-four AQCRs or state portions have attained the TSP standard, 256 the SO_2 standard, 233 the CO standard, 143 the oxidant standard and 308 the NO_2 standard. The other AQCRs or state portions require either SIP revisions for attainment and maintenance, SIP revisions for maintenance only, or require no revision but are classified as non-attainment areas. Since the last report in this series (EPA-450/2-76-006, April 1976), the number of major emitters identified has increased to 21,930; 90 percent of these are now in compliance with either an emission standard or an acceptable compliance schedule.

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Prepared by

U.S. Environmental Protection Agency
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and

U.S. Environmental Protection Agency
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FOREWORD

This is the seventh in a continuing series of reports assessing the progress made by states in implementing the Clean Air Act, specifically section 110. Although the report is primarily intended to cover the first six months of calendar year 1976, more recent information is provided when available.

The State Implementation Plans (SIPs) were published in 1972 with an attainment date, in most cases, of May 1975. Measurable increments of progress are occurring at a slower rate than in the first years these plans were in effect. The most generally available procedures and technology have been or are being implemented for the most part; remaining problems are not yielding as easily to solution. Some of the procedures and technology that have been implemented have been challenged in court, and litigation has affected progress, both by delaying implementation and enforcement and by extending EPA's responsibilities to such programs as prevention of significant deterioration and increased attention to air quality maintenance. Situations that were not anticipated when the Clean Air Act was amended in 1970, such as the energy crisis, have required that different approaches be developed, and this development takes time.

This series of reports has undergone a change in format that reflects the changing direction and emphasis of EPA's campaign for clean air. The first four reports followed similar formats and generally presented information summarized by EPA region with national totals. The fifth report in the series was the first one to be published after the attainment date, and it provided detailed information by state for the first time. The sixth report was primarily a summary report, with certain topics singled out for special focus. This report, like the fifth report, provides detailed information by states. This report focuses on the attainment/non-attainment determinations and the subsequent calls for SIP revisions that were made.

CONTENTS

Page

LIST OF TABLES vi
LIST OF FIGURES vii
ABBREVIATIONS viii

I. SUMMARY 1

State Implementation Plan Revisions 1
Air Quality Trends 2
Stationary Source Compliance 2
Control Agency Support 3
New Source Review 3

II. OVERVIEW OF STATE PLANS 5

Development of State Implementation Plans 5
Trends in Air Quality, 1970-1975 8
Stationary Source Compliance 11
New Source Review 19
Sulfur Dioxide Emission Regulations 24
Air Quality Monitoring 25
Air Pollution Episodes 32
Control Agency Support 32

III. STATE PROFILES 39

Introduction 39

Region I
  Connecticut 42
  Maine 45
  Massachusetts 48
  New Hampshire 51
  Rhode Island 54
  Vermont 57

Region II
  New Jersey 62
  New York 65
  Puerto Rico 68
  Virgin Islands 71

Region III
  Delaware 76
  District of Columbia 79
  Maryland 82
  Pennsylvania 85
  Virginia 88
  West Virginia 91

CONTENTS (continued)

Page

Region IV
- Alabama 96
- Florida 99
- Georgia 102
- Kentucky 105
- Mississippi 108
- North Carolina 111
- South Carolina 114
- Tennessee 117

Region V
- Illinois 122
- Indiana 125
- Michigan 128
- Minnesota 131
- Ohio 134
- Wisconsin 138

Region VI
- Arkansas 142
- Louisiana 145
- New Mexico 148
- Oklahoma 151
- Texas 154

Region VII
- Iowa 158
- Kansas 161
- Missouri 164
- Nebraska 167

Region VIII
- Colorado 172
- Montana 175
- North Dakota 178
- South Dakota 181
- Utah 184
- Wyoming 187

Region IX
- American Samoa 192
- Arizona 195
- California 198
- Guam 201
- Hawaii 204
- Nevada 207

Region X
- Alaska 212
- Idaho 215
- Oregon 218
- Washington 221

LIST OF TABLES

Table | Page

Part II

II-1. National Attainment/Non-Attainment Status of AQCRs and State Portions 6

II-2. Compliance Status of Major Emitters, by Region, July 1, 1976 13

II-3. Status of Compliance with Emission Limitations, Major Polluting Steel Processes vs. All Major Stationary Source Installations, September 1976 . 18

II-4. Current Status of NSR Program Responsibilities . . 21

II-5. SO_2 Control Regulation Relaxation for Power Plants. 26

II-6. Monitoring Sites Reporting Data (1975). 29

II-7. Numbers of Sites at Which Monitoring Has Been Conducted, 1970-1975 31

II-8. Monitoring Sites Reporting Data Meeting Annual Summary Criteria (1975) 33

II-9. Summary of Air Pollution Episodes for January Through June 1976 35

Part III. (Tables A-D are given for each of the 55 states. See Table of Contents for page number of states.)

A. Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region

B. Status of Selected Portions of the State Implementation Plan

C. Comparison of FY 1977 Projected Needs and Actual FY 1976 Resources

D. Summary of State Enforcement Activity (June 30, 1976)

LIST OF FIGURES

Figure Page

I-1. Trends of Four Indicators of Enforcement Activity . . . 14

ABBREVIATIONS

AQCR	Air Quality Control Region
AQMA	Air Quality Maintenance Area
CO	carbon monoxide
EPA	U.S. Environmental Protection Agency
FGD	flue gas desulfurization
HC	hydrocarbons
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_2	nitrogen dioxide
NSPS	New Source Performance Standard
NSR	New Source Review
OAQPS	Office of Air Quality Planning and Standards
O_x	oxidants
PSD	Prevention of Significant Deterioration
SIP	State Implementation Plan
SO_2	sulfur dioxide
State	Refers to the District of Columbia and four U.S. territories as well as the 50 states
TSP	total suspended particulate

ACKNOWLEDGMENTS

The preparation of this report resulted from information provided by the state and local air pollution control agencies, the Environmental Protection Agency Regional Offices, and various EPA Headquarters groups.

As with earlier reports relating to State Implementation Plan progress, this edition continues to be a joint effort between the Division of Stationary Source Enforcement, Office of Enforcement, and the Office of Air Quality Planning and Standards, Office of Air and Waste Management.

Information on enforcement activities was provided by the Division of Stationary Source Enforcement, Office of Enforcement. Additional specific information on EPA air programs can be obtained by contacting the EPA Regional Offices.

I. SUMMARY

STATE IMPLEMENTATION PLAN REVISIONS

EPA and the states have been engaged in an intensive effort to identify those areas not attaining the national ambient air quality standards (NAAQS) by the attainment date (May 31, 1975, for most states) and to ascertain the reasons for non-attainment. The Clean Air Act requires that whenever the Administrator finds the State Implementation Plan (SIP) to be "substantially inadequate" a revision to the SIP must be called for. In most areas of the country, EPA issued calls for revisions to attain and maintain the standards on June 30, 1976.

Many areas of the country showed attainment of the standards; no SIP revisions were necessary for those air quality control regions (AQCRs) or state portions of interstate AQCRs.* The greatest number of AQCRs and state portions showing attainment were for nitrogen dioxide (308), sulfur dioxide (256) and carbon monoxide (233). Substantially fewer AQCRs and state portions attained the standards for oxidants (143) and total suspended particulates (124).

There were 246 calls for SIP revision for attainment/maintenance for specific pollutants. Non-attainment of the oxidant standard accounted for calls for revision in 114 AQCRs or state portions. Seventy-eight calls for revisions were made for TSP. There were also calls for revisions for CO (41), SO_2 (12), and NO_2 (1).

There were only 25 pollutant specific calls for revision for maintenance only. However, the calls for revision for attainment described above also included maintenance provisions. There were 11 calls for TSP maintenance revisions alone and 11 calls for sulfur dioxide maintenance revisions alone. There were also calls for maintenance revisions for CO (2), oxidants (1), and NO_2 (1).

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*The figure of 313 AQCRs and state portions of interstate AQCRs is used here rather than the figure of 247 AQCRs because some AQCRs overlap state boundaries. Different state portions of the same AQCR could therefore have a different attainment status.

The state summaries indicate that there are a number of AQCRs or state portions which are not attaining the standards but where no SIP revision is being called for: 100 for TSP, 34 for SO_2, 37 for CO, 56 for O_x, and 3 for NO_2. In most cases no revisions were called for because the EPA Regional Offices felt that full compliance with the existing SIP would bring attainment.

Many states have adopted less restrictive SO_2 emission regulations since January 1975. Revision efforts were directed toward major fuel burning installations, electric utilities in particular. Important factors causing this included the limited quantity and high cost of low sulfur fuels and the realization by many states that their regulations were more restrictive than needed to attain and maintain the national ambient air quality standards for sulfur dioxide.

AIR QUALITY TRENDS

From 1971 to 1975 TSP levels have decreased by four percent annually. In the Northeast and the Great Lakes areas the improvement has been even faster. SO_2 concentrations have decreased by an average of 30 percent since 1970. Improvement in CO levels from 1970 to 1975 has been seven percent annually in California and five percent annually in the rest of the nation. Long-term trend data for oxidants is not available but short-term trend analysis (1973-1975) shows improvement in the East and in California in particular. NO_2 levels have shown mixed trends.

STATIONARY SOURCE COMPLIANCE

Enforcement of standards at stationary sources has focused on the 21,930 major emitters which account for about 80 percent of all air pollution from conventional stationary point sources. By July 1, 1976, EPA and the states had brought 19,833 of them into compliance or placed them on enforceable schedules leading to compliance in the near future. Compliance levels have climbed from 84 percent to about 90 percent during FY 1976. In the past six months EPA has taken 395 enforcement actions and completed 4,079 investigations, including plant inspections, opacity observations, emission tests, and formal inquiries for evidence.

States report that in the last six months they have conducted over 87,000 investigations of compliance status and have taken 9,771 enforcement actions, including 7,081 notices of violation and 2,690 enforcement orders or civil/criminal actions.

Despite all of this enforcement activity, 1,611 major sources still violate emission limits or compliance schedules and nearly 500 must be inspected to determine their compliance status.

CONTROL AGENCY SUPPORT

The gap between the need for and availability of state and local air pollution resources to attain and maintain ambient air quality standards continues to exist. The state air pollution agencies estimated in 1973 that 9500 man-years were necessary to accomplish the implementation plans in 1975 and that approximately 10,350 man-years would be necessary to accomplish revised implementation plans in 1977. The shortfall, using the 10,350 man-year estimate as the base in FY 1976, showed that approximately 66 percent of the manpower and 73 percent of the funds were actually available to responsible control agencies. In FY 1976 control agency resources increased by approximately $9.2 million and 300 man-years over 1975.

NEW SOURCE REVIEW

New source review (NSR) requirements are being implemented through four types of programs:

1. to review stationary sources whose construction or modification would interfere with the attainment and maintenance of national ambient air quality standards.
2. to review sources whose construction or modification would cause significant deterioration (PSD) of air quality.
3. to review sources whose construction or modification would cause the emission of a hazardous air pollutant in excess of a prescribed limitation.
4. to advise whether a source will comply with standards of performance of new sources when in operation.

EPA distributed guidelines to its Regional Offices to recommend a consolidated approach by the Regional Offices to preconstruction reviews of new sources until states adopt their own procedures or have been delegated EPA authority. The Regions have developed interim programs to review new sources for PSD and have encouraged states to take complete responsibility for new source review.

II. OVERVIEW OF STATE PLANS

DEVELOPMENT OF STATE IMPLEMENTATION PLANS (SIPs)

Since the attainment date for National Ambient Air Quality Standards (May 31, 1975, for most states) EPA and the states have been engaged in an intensive effort to identify those areas not attaining standards and to ascertain the reasons for non-attainment. Preliminary assessments of the areas not expected to attain were given in a previous report of this series.[1] A major part of the effort to ascertain the reasons for non-attainment was the effort to determine SIP "adequacy." Section 110(a)(2)(H)(ii) of the Clean Air Act as amended requires that SIPs provide "for revision, after public hearings, of such plan ... whenever the Administrator finds on the basis of information available to him that the plan is substantially inadequate to achieve the national ambient air quality primary or secondary standard which it implements" (emphasis added). In most areas of the country, EPA issued calls for revisions to attain and maintain standards on June 30, 1976.

This report summarizes the calls for revisions and also indicates those Air Quality Control Regions (AQCRs) where standards have not been attained but where the SIP has not been determined substantially inadequate. SIPs may fall into any of four different categories: attainment, revision for attainment and maintenance, revision for maintenance only, and non-attainment (See Table II-1). In AQCRs where calls for attainment and maintenance were issued the state will have to revise the SIP to include, as needed to meet and maintain national standards, all achievable emission limitations by July 1, 1977. Any other controls needed to meet and maintain national standards (which may include transportation and land-use measures) must be submitted by the state by July 1, 1978. Nationally, there were 246 pollutant specific calls of this type but there were only 25 pollutant specific calls for maintenance revisions only. Finally, there were 230 pollutant specific non-attainment decisions where a call for revision was not needed at this time. Altogether, of the 313 AQCRs and state portions, 245 will not attain standards for one or more pollutants.

TABLE II-1. NATIONAL ATTAINMENT/NON-ATTAINMENT STATUS OF AQCRs AND STATE PORTIONS

SIP Status	TSP	SO_2	CO	O_x	NO_x
Attainment	124	256	233	143	308
Revisions for Attainment/ Maintenance	78	12	41	114	1
Revisions for Maintenance	11	11	2	0	1
Non-Attainment- no revisions	100	34	37	56	3
	313	313	313	313	313

It should be noted that the discussion below and the AQCR specific information presented in the state summaries is based on the calls made on or before June 30, 1976. It is currently expected that there will be additional calls for some areas for both attainment/maintenance and maintenance alone. This is primarily the result of insufficient data being available at this time.

Revisions for Attainment/Maintenance

As noted above, there are currently 246 pollutant specific calls for SIP revisions for attainment/maintenance. Non-attainment of the oxidant standard accounts for nearly half of these calls, with 114 AQCRs or state positions being affected. The large number of affected AQCRs results in part from the calls for statewide revisions for many states in Regions II, III, and V. Because of the transport problems, it is now recognized that to attain the oxidant standard hydrocarbon controls will need to be instituted over wide areas. The second largest number of calls were made for total suspended particulate (TSP). These calls were made for 78 AQCRs and state portions. A review of the calls indicates that additional point source controls and fugitive dust control were the measures most frequently recommended. The control of fugitive dust will be a relatively new program for most control agencies and will involve agencies in controlling construction sites, reentrained street dust, unpaved roadways, and other fugitive sources. There were calls for CO revisions in 41 AQCRs or state portions. Half of these calls were in Regions I and IX. There were 12 calls for SO_2 revisions. These calls generally recommended additional point source controls. Finally, there was one call for an NO_2 revision. This plan revision is needed in Los Angeles.

Revision for Maintenance

As noted above, there were only 25 pollutant specific calls for revisions for maintenance alone. However, the calls for attainment revisions also involved requests for maintenance provisions. There were 11 calls of TSP maintenance revisions alone. These calls combined with the 78 calls for attainment/maintenance revisions cover 80 of 159 air quality maintenance areas (AQMAs) which were designated for particulates. For SO_2 there were 11 calls for maintenance revisions alone. This combined with the 12 attainment/maintenance calls will cover 28 of the 61 designated AQMAs for SO_2. There were only 2 calls for CO maintenance revisions. However, when combined with the CO revisions noted above this means that all 24 designated CO AQMAs are covered. For oxidants, there were no calls for a maintenance revision alone. At this time, it appears that all 49 designated AQMAs will have plans prepared. However, there is some uncertainty since some of the statewide calls for O_x revisions involved requests for further study. There was only 1 call for an NO_2 maintenance revision. This means that 2 of the 5 AQMAs designated for NO_2 will have SIP revisions.

An analysis of the calls for SIP revisons indicates that, for SO_2, CO, and O_x, there may eventually be more calls for maintenance revisons than designated AQMAs. This results from the fact that several Regional Offices have called for maintenance revisions for these pollutants in AQMAs which were not originally thought to have maintenance problems. It is expected that, once studies currently underway are completed, there will be additional calls for maintenance revisons in some areas.

Non-Attainment

As the state summaries indicate, there are a number of AQCRs or state portions which are not attaining standards but where no revision to the SIP has been called for. This situation occurs in 100 AQCRs or state portions for TSP, 34 AQCRs or state portions for SO_2, 37 for CO, 56 for O_x, and 3 for NO_2. The reason for the majority of these situations was a decision by the appropriate Regional Office that compliance with the existing SIP would result in attainment. However, in some areas the regions are awaiting the results of on-going studies before calling for SIP revisions.

TRENDS IN AIR QUALITY, 1970-1975

Considerable progress in achieving the National Ambient Air Quality Standards has been made for total suspended particulate (TSP), sulfur dioxide (SO_2), carbon monoxide (CO), and oxidants (O_x). In contrast, trends in nitrogen dioxide (NO_2) have been mixed. Currently, an extensive national historical data base is available for total suspended particulate and sulfur dioxide. The national data base for carbon monoxide is limited, consisting of 102 monitors having three to five years of data. For oxidants and nitrogen dioxide, historical data are also limited and the geographical distribution is very sparse.

Total Suspended Particulates (TSP)

Based on TSP data collected at approximately 1800 monitoring sites, the estimated number of people exposed to total suspended particulate levels in excess of the annual primary standard decreased from 73 million in 1970 to 49 million in 1974. This is an improvement of 24 million fewer people (33 percent) exposed to levels above the standard. Based on the same 1800 monitoring sites, TSP trends from 1971 through 1975 have declined showing a general improvement of 4 percent per year. There have been some geographical differences with the northeast and Great Lake areas improving at even higher rates. Trends in some of the western states have been fairly stable, probably due to fugitive (wind blown) dust and to some extent due to secondary particulates caused by photochemical reactions, such as in Los Angeles and San Francisco.

An analysis of the New York-New Jersey-Connecticut AQCR showed that between 1971 and 1974 approximately 7 million fewer people were exposed to TSP levels in excess of the primary health standard of 75 $\mu g/m^3$. This improvement affected the total population, as well as the school-age and elderly populations.

Sulfur Dioxide (SO_2)

The most recent SO_2 ambient data based on 545 monitoring sites show that concentrations in urban areas have decreased by an average of 30 percent since 1970. The improvement occurred rapidly in the 1970-1973 period and then levelled off as many areas came into compliance. Major point sources located outside of urban areas, such as smelters, pose the greatest threat to SO_2 NAAQS at the present time.

Carbon Monoxide (CO)

Carbon monoxide trends were examined at 102 monitoring sites from 24 states. Of these, 42 were located in California which is indicative of the well-established air quality monitoring program in that state. The overall picture of sites with three or more years of data between 1970 and 1975 clearly indicates improvement. Eighty-one percent of the California sites showed improvement while 78 percent for the rest of the country showed improvement. The rate of improvement appears greater in California with a median rate of 7 percent per year versus 5 percent for the rest of the nation based on four or more years of data. This is consistent with more stringent California CO emission standards.

Oxidants (O_x)/Ozone (O_3)

Oxidant concentrations showed considerable improvement at monitoring sites in the Los Angeles Basin, the San Francisco Bay Area, and the San Diego Air Basin. The historical O_x/O_3 data base for the rest of the country is largely limited to three years, which is inadequate for assessing long-term trends. A preliminary analysis of short-term trends (1973-1975) does suggest a decline in the summer oxidant/ozone violations in the eastern part of the United States (8 sites decreasing and 3 sites increasing) and a general increase in metropolitan Denver (5 sites increasing).

A separate population exposure analysis of the Los Angeles Air Basin showed a considerable reduction in the percent of days the 1-hour O_x standard was violated. A "typical" person in the Basin was exposed to a concentration above the standard on an average of 176 days per year in 1965/66, 144 days per year in 1969/70, and 105 days per year in 1973/74.

Nitrogen Dioxide (NO_2)

NO_2 levels have shown mixed trends. A significant decline in NO_2 occurred in the Los Angeles Basin between 1970-1975; but in the San Francisco Bay Area, as many sites increased as decreased. Recent declines in NO_2 levels have occurred in three cities in New Jersey and in Denver, Colorado. No significant NO_2 trend was found in the two other cities examined, Chicago, Illinois and Portland, Oregon.

The Los Angeles Basin population exposure analysis showed that a "typical" person in the Basin was exposed to a concentration above the 1-hour California standard of 470 $\mu g/m^3$ on an average of 25 days per year in 1965/66, 27 days per year in 1969/70, and 18 days per year in 1973/74, showing some improvement in the last five years. This trend corresponds to the oxides of nitrogen (NO_x) emissions which increased by 275 tons per day between 1966 and 1970 and are now decreasing due to the emission standards for NO_x in 1971 and later model cars.

STATIONARY SOURCE COMPLIANCE

Enforcement of State Plans

The Clean Air Act establishes a strict schedule by which EPA and states are to abate air pollution. With few exceptions (most notably sulfur oxide emission limitations for the States of Illinois and Indiana), each state has enforceable emission limitations for stationary installations, the source of the large majority of all particulate (TSP) and sulfur oxide (SO_x) pollution produced by man. These limitations are designed to reduce ambient pollutant concentrations to levels protective of health and welfare. The Act generally allows three years from the date of State Implementation Plan (SIP) approval for EPA and states to implement SIP emission limitations and achieve the primary (health-related) National Ambient Air Quality Standards (NAAQS). Except for portions of a few states, where extensions of up to two years have been granted for one or more pollutants, the primary standards were to have been achieved by May 31, 1975.

To reach the target air quality levels, state, local, and Federal enforcement programs have the responsibility for ensuring that stationary sources attain and maintain compliance with emission limitations established by SIPs. Enforcement responsibilities for state-developed, EPA-approved emission limitations are shared by EPA and the states. The Clean Air Act recognizes that states have primary responsibility for achieving clean air within their jurisdictions. When states do not enforce air pollution control regulations, however, the Act requires EPA to take action. In accordance with the intent of the Act, the EPA air enforcement program is designed to ensure that all sources achieve compliance with applicable regulations. EPA bolsters state air enforcement efforts by supporting state control agencies through control agency grants, providing specialized skill and expertise or special contractual efforts, and by taking enforcement actions against selected sources when the states cannot or will not enforce.

Enforcement of regulations at stationary sources is an immense task since it is estimated that over 200,000 such sources are now subject to SIP emission limitations. Of that number, however, about ten percent are major emitters (facilities individually capable of emitting over 100 tons of a pollutant each year). As a class, these sources produce over 80 percent of all air pollution from conventional stationary point sources. Therefore, enforcement programs have first focused on ensuring compliance by such emitters in order to have the greatest impact on reducing emissions in the least amount of time. Concentrated efforts expended in this area have resulted in a highly successful program. As shown in Table II-2, by July 1, 1976, EPA and states had identified 21,930 such major sources and had brought 19,833 of them into compliance or placed them on enforceable schedules leading to compliance in the near future. The previous progress report predicted that compliance levels would climb from 84 percent to about 90 percent during FY 1976; the prediction is now fact. A Federal commitment to enforcement was involved in this increase in compliance levels. In the past six months EPA has taken 395 enforcement actions. Federal investigations of compliance status also reflect the effort on the part of EPA to ensure compliance by stationary sources. In the six-month period ending June 30, 1976, EPA completed 4,079 investigations (including plant inspections, opacity observations, emission tests, and formal inquiries for evidence, based on the authority of Section 114 of the Act). Figure 1 illustrates the continuing progress being made in each of these areas.

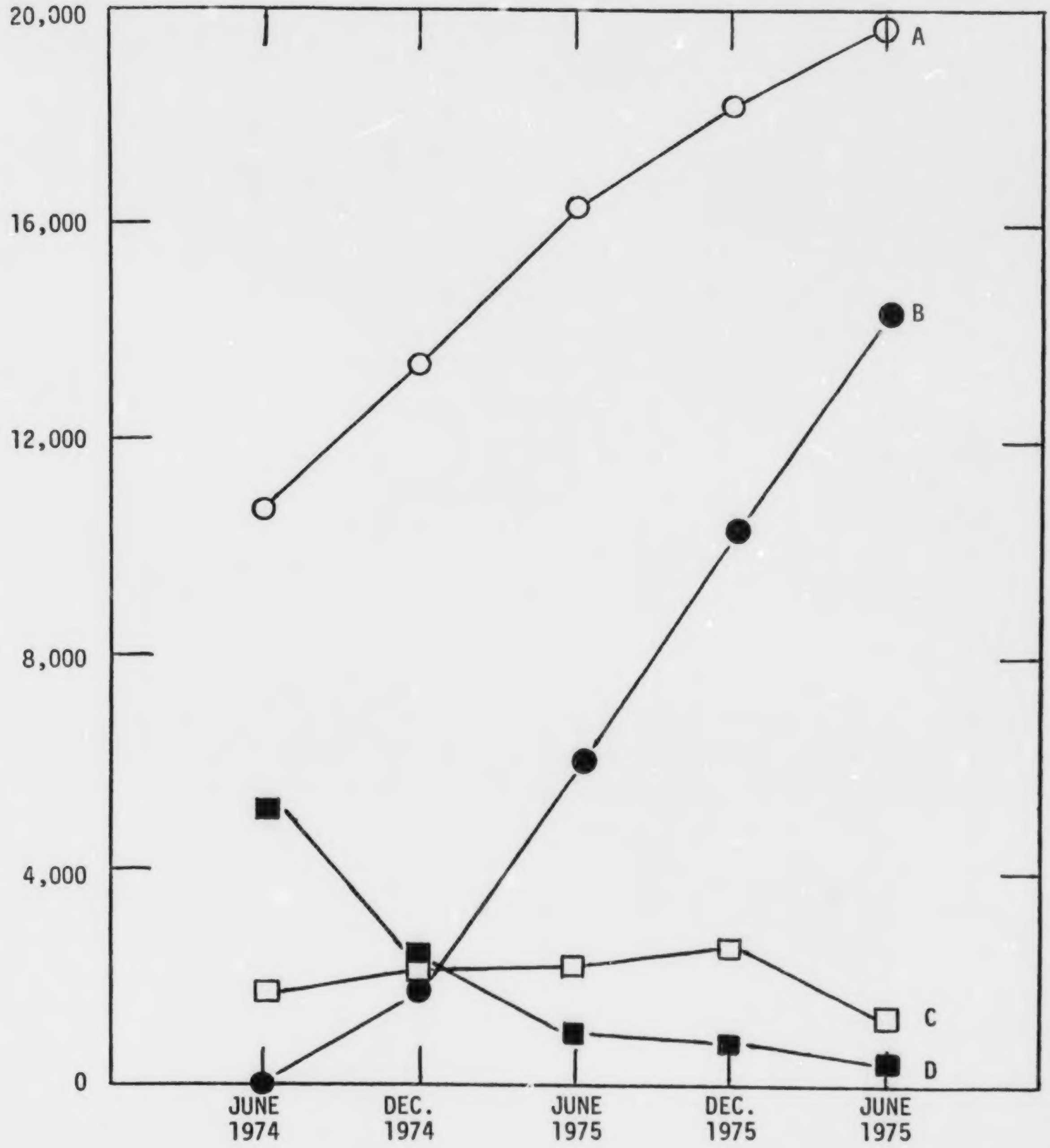
State actions are responsible for the bulk of an increase in the number of major sources brought into compliance. Most of these actions have been initiated independently, but in some cases occurred as a result of Federal stimulation. States report that in the last half-year they have conducted over 87,000 investigations of compliance status and have taken some 9,771 enforcement actions (7,081 notices of violation and 2,690 enforcement orders or civil/criminal actions). This emphasis on enforcement activity by states has resulted in significant increases in the number of major sources brought into compliance.

However, 1,611 major sources still violate emission limits or compliance schedules, and nearly 500 must be inspected to determine their compliance status. These remaining violators are expected to be the most difficult sources to bring into compliance because they are often large sources which have demonstrated a reluctance to make necessary commitments to curb emissions to the atmosphere. In addition, most of the remaining major violators and most of the major sources of unknown status are

Table II-2. COMPLIANCE STATUS OF MAJOR EMITTERS, BY REGION July 1, 1976

REGION	TOTAL IDENTIFIED SOURCES	IN COMPLIANCE				OUT OF COMPLIANCE				UNKNOWN COMPLIANCE STATUS	
		WITH STANDARD	WITH SCHEDULE	TOTAL IN COMPLIANCE		NOT MEETING SCHEDULE	NO SCHEDULE	TOTAL OUT OF COMPLIANCE			
				NUMBER	%[a]			NUMBER	%[a]	NUMBER	%[a]
I	1,140	939	72	1,011	89	22	70	92	8	37	3
II	1,805	1,472	87	1,559	86	84	101	185	10	61	3
III	2,998	2,526	220	2,746	92	100	148	248	8	4	0
IV	4,612	4,042	152	4,194	91	10	389	399	9	19	0
V	4,434	3,401	438	3,839	87	40	378	418	9	177	4
VI	1,726	1,471	71	1,542	89	17	98	115	7	69	4
VII	1,548	1,316	165	1,481	96	13	19	32	2	35	2
VIII	653	526	79	605	93	3	40	43	7	5	1
IX	2,214	1,950	130	2,080	94	11	44	55	2	79	4
X	800	711	65	776	97	13	11	24	3	0	0
TOTAL	21,930	18,354	1,479	19,833	90	313	1,298	1,611	7	486	2

[a] Calculated as percentage of total major sources identified.



A - # of sources in compliance with standards or a schedule as of date indicated.

B - Cumulative # of EPA field surveillance actions

C - # of sources not meeting a schedule or not on a schedule as of date indicated.

D - # of sources of unknown compliance status as of date indicated.

Figure I-1. Trends of Four Indicators of Enforcement Activity

located in AQCRs that are not expected to attain the primary NAAQS for TSP and/or SO_x in the near future. Thus, despite decided progress in SIP enforcement, state and Federal tasks with respect to compliance by large sources are not yet complete.

MAJOR SOURCE CATEGORIES

Several categories of major sources are still posing substantial problems across the nation in not achieving compliance with emission limitations within the time limits prescribed by the Clean Air Act. Notable among these sources are coal-fired power plants, integrated iron and steel manufacturing plants and coking facilities, and primary non-ferrous smelters. EPA has undertaken special efforts to achieve compliance by these sources and continues to take actions to require owners and operators to bring their plants into compliance with emission limitations. In general, these three source categories have the most difficult air compliance problems because of the amount of control required and the associated costs of the control techniques that need to be applied. However, these industries account for about one-third of the total emissions of particulates and about two-thirds of the total point source emissions of sulfur dioxide; for this reason, compliance by all of these sources is crucial to the attainment of the NAAQS in many AQCRs.

Coal-Fired Power Plants

Control of emissions from power plants is essential to the attainment of the health-related ambient air quality standards for SO_x in many areas of the nation. As a class, coal-fired steam electric plants emit about half of the total SO_x produced by all sources. Three years ago it became increasingly apparent to EPA that progress to meet applicable state SO_x emission limitations by this sector of industry was lagging severely. At that time, it was estimated that approximately 50 percent of the coal-fired power plants in the nation were violating applicable SIP emission limitations. Supplies of low-sulfur coal were reported to be insufficient to assure nationwide compliance with SO_x regulations, and utilities were extremely reluctant to use flue gas desulfurization (FGD) to remove SO_x from stack emissions while burning high-sulfur coal.

National public hearings were held in the fall of 1973 to determine the validity of the utilities' contentions regarding alternate means of compliance. After hearing testimony from a variety of expert witnesses and other interested parties, the hearing panel concluded that the basic technological problems associated with FGD had been solved or were within the scope of current engineering and, further, that FGD could be applied at a reasonable cost. At that time, 44 such systems were installed, under construction, or planned around the country. As a measure of EPA's effectiveness in cleaning up SO_x emissions from power plants, in less than three years this figure has more than doubled to a total of 113 plants, 27 of which are operational, 23 of which are under construction, and 63 of which are in some stage of planning. These FGD-controlled units total nearly 43,000 megawatts (MW) of generating capacity: that represents about half the estimated FGD capacity needed to achieve full compliance with SO_x regulations by 1980.

Accompanying this increased utilization of FGD, significant progress has been made in improving SO_2 compliance levels. Of the 406 coal-fired power plants (producing approximately 150,000 MW) in this country, 41 (21,441 MW) are located in Ohio where a new SO_x plan has recently taken effect. Another 28 (12,311 MW) are situated in Indiana where a circuit court recently vacated the SO_x plan, although the State Supreme Court has not yet ruled on the case. An additional 29 (15,109 MW) are in Illinois, where portions of plans for both TSP and SO_x have been invalidated. Of the remaining 308 plants (about 100,000 MW), 84 (50,000 MW) are known to be out of compliance and 224 now comply with final emission limitations or abatement schedules. Excluding the 98 plants of questionable status in the three states mentioned above, the data represent a national compliance level of 73 percent by number, but only about 50 percent by electrical generating capacity.

Iron and Steel Mills/Coke Plants

The iron and steel industry presents one of the most difficult compliance problems for state and Federal air pollution enforcement programs. There are over 200 steel and coke-making installations in the United States, most of which produce iron and steel (and may or may not produce coke), while the remainder produce solely coke to be used in metallurgical and other industries. Nearly all of these installations are located in areas where the primary NAAQS are not expected to be attained.

Within steel facilities are a number of basic processes, each of which presents tough technical problems to control. The processes that are the greatest sources of air pollution in the industry are by-product coke batteries, sinter lines, blast furnaces, open hearth furnaces, basic oxygen furnaces, and electric arc furnaces. There are nearly 1,000 of these major emitting steel processes; they characterize the basic means of producing iron and steel and are the subject of intensifying EPA and state enforcement attention. As indicated in Table II-3, the steel industry lags behind other stationary sources in complying with SIP requirements; 30 percent of the industry's 960 major polluting processes have yet to comply with SIP emission limitations and/or compliance schedules while the level of non-compliance for all major stationary source installations stands at seven percent.

To spearhead enforcement activity, EPA has selected priority plants based on individual size (emissions), potential for interregional impact, and utilization of new technology. Monthly task force meetings are held to coordinate enforcement actions and to track progress towards meeting regulatory requirements.

Primary Non-Ferrous Smelters

Most of the Agency's problems in assuring compliance by the 27 non-ferrous smelters in this country have centered in the western U.S., where six SIPs for sulfur dioxide affecting 13 smelters were disapproved in 1972 as inadequate to meet the NAAQS. Regulations have been or soon will be promulgated for all of these units. These regulations thus far have resulted in three challenges under Section 307 of the Clean Air Act, the initiation of a study on economic impact and technical feasibility, and a temporary shutdown pending an appeal of a court decision. The promulgated regulations require application of reasonably available control technology and, if necessary, allow the interim use of supplementary control systems (SCS) until adequate constant emission control techniques become available. Each smelter using SCS is further required to conduct a research and development program to hasten the evolution of such technology.

Table II-3. STATUS OF COMPLIANCE WITH EMISSION LIMITATIONS
MAJOR POLLUTING STEEL PROCESSES VS ALL MAJOR STATIONARY SOURCE INSTALLATIONS[a]
SEPTEMBER 1976

MAJOR STEEL PROCESSES	TOTAL NUMBER	STATUS WITH RESPECT TO EMISSION LIMITS AND/OR COMPLIANCE SCHEDULES		
		IN COMPLIANCE	IN VIOLATION	UNKNOWN STATUS
Coke Batteries	218	99	116	3
Sinter Lines	55	42	13	0
Blast Furnaces	191	140	48	3
Open Hearth Furnaces	139	80	52	7
Basic Oxygen Furnaces	66	40	21	5
Electric Arc Furnaces	291	236	41	14
TOTALS	960	637 (66%)	291 (30%)	32 (3%)
All major stationary source installations[b]	21,930	19,833 (90%)	1,611 (7%)	486 (2%)

[a] This comparison shows the compliance status of the steel industry in the most favorable light, since the compliance status of individual processes within steel facilities is being compared to the status of total installations with major potential air pollution problems (the source of the stationary source compliance figures is the EPA formal reporting system; under this system a facility having several processes, only one of which is in violation or of unknown status, must be classified as in violation or unknown as a whole).

[b] Facilities individually capable of emitting over 100 tons of a pollutant each year.

Regarding the SO_2 compliance status of the remaining 14 units: new regulations have recently been proposed or promulgated for three; there is no applicable regulation for three others; two are operating under consent orders; SIP revisions have been requested involving two additional smelters; two others are operating in compliance; and the remaining two units are under state enforcement actions (one is constructing a new acid plant while the other has been shut down).

Nine of the 27 smelters currently operating are in compliance with TSP emission limits or abatement schedules; seven are under continuing study by a state or region; five are challenging the applicable regulation; three are under consent orders; and the remaining units have recently completed construction of new facilities which are believed to be in compliance.

NEW SOURCE REVIEW

Pursuant to the authority of the Clean Air Act, requirements have been developed for the preconstruction review of specified new or modified stationary sources of air pollution. Provisions for a preconstruction review are defined for the following situations:

(1) to prevent the construction or modification of a stationary source that would interfere with the attainment and maintenance of national ambient air quality standards (SSR);

(2) to prevent the construction or modification of a source that would cause significant deterioration of air quality (PSD);

(3) to prevent the construction or modification of a source that would emit a hazardous air pollutant in excess of a prescribed limitation (NESHAP); and

(4) to provide technical consultation, upon request, to advise whether the source will comply with standards of performance for new sources when in operation (NSPS).

The first two preconstruction review requirements were intended under the Clean Air Act to be part of the legally enforceable SIP. To date, all but five states have procedures completely approved by EPA to prevent new sources from interfering with the attainment and maintenance of ambient standards. Most provisions of the five partially approved programs were also approved and are being implemented by the states or local agencies.

The requirements for Federal PSD regulations originated from litigation by the Sierra Club. EPA was consequently under a restrictive time schedule to promulgate regulations and had no time for the normal process of first publishing 40 CFR Part 51 guidance. As a result, all state plans were initially disapproved for PSD. Federal regulations are still in effect for all states (North Dakota will soon have the first approved PSD plan). Implementation of the Federal promulgation similarly rests at the regional level for all states except Georgia which has been delegated this authority.

The Clean Air Act places the program responsibility for NSPS and NESHAP with EPA. EPA has developed and continues to develop emission and/or equipment standards in these areas for new or modified stationary sources. The review responsibility can be delegated and has been in the case of 24 states. These delegations, however, are often partial ones since most states do not want the review of all NSPS source types (current and future) and cannot make their regulations apply to sources retroactively.

The implementation of the four NSR requirements has therefore been carried out by different groups and has lacked the advantages of a consolidated program. Even where EPA or the state has program authority for more than one of the reviews, different groups within the state or region are often involved with their implementation.

In March 1976, EPA distributed guidelines to the Regions to recommend that a consolidated approach to preconstruction reviews of new sources be taken by the Regions until states have adopted their own legally enforceable procedures and/or been delegated EPA authority. Shortly thereafter, guidance for the delegation of NSR authority to state and local agencies was also distributed.

During the first half of calendar year 1976, the Regions used this guidance to:

(1) develop an interim program to review new sources for PSD and coordinate it with other regional and state programs involving NSR where possible, and

(2) emphasize and encourage states to take complete responsibility for the NSR. (Table II-4 summarizes their success to date).

As states assume greater roles in the actual implementation of NSR responsibilities, regional resources now devoted to actual new source review

Table II-4. CURRENT STATUS OF NSR PROGRAM RESPONSIBILITIES

Region		NSPS	NESHAP	PSD	SSR
I	Connecticut	D	D	-	A
	Maine	D	D	-	A
	Massachusetts	D	D	-	A
	New Hampshire	D	D	-	A
	Rhode Island	I	I	-	A
	Vermont	D	D	-	A
II	New Jersey	N	N	-	A
	New York	D	D	-	A
	Puerto Rico	N	N	-	A
	Virgin Islands	D	D	-	A
III	Dist. of Columbia	-	-	-	A
	Delaware	N	N	I	A
	Maryland	-	-	-	A
	Pennsylvania	N	N	-	A
	Virginia	D	D	I	A
	West Virginia	I	I	-	A
IV	Alabama	D	D	-	A
	Florida	-	-	-	A
	Georgia	D	D	D	A
	Kentucky	N	N	N	A
	Mississippi	N	N	N	A
	North Carolina	D	D	N	A
	South Carolina	N	N	N	A
	Tennessee	N	N	N	A

A - Adopted state regulations; D - Delegated EPA authority
N - Negotiating for authority; I - Interested in requesting authority

Table II-4 (continued). CURRENT STATUS OF NSR PROGRAM RESPONSIBILITIES

Region		NSPS	NESHAP	PSD	SSR
V	Illinois	N	N	-	A
	Indiana	D	D	I	-
	Michigan	D	D	I	A *
	Minnesota	N	N	-	A
	Ohio	D	I	-	A
	Wisconsin	N	N	I	A
VI	Arkansas	-	-	-	A
	Louisiana	N	N	-	A
	New Mexico	-	-	-	A
	Oklahoma	N	N	I	A
	Texas	N	N	-	A
VII	Iowa	D	N	-	A
	Kansas	I	-	-	A
	Nebraska	D	N	N	A
	Missouri	N	-	-	A
VIII	Colorado	D	D	I	A
	Montana	I	I	I	A
	North Dakota	D *	I	N	A
	South Dakota	D	-	I	A
	Utah	D	N	-	-
	Wyoming	N	-	I	A

*Action pending

A - Adopted state regulations; D - Delegated EPA authority
N - Negotiating for authority; I - Interested in requesting authority

Table II-4 (continued). CURRENT STATUS OF NSR PROGRAM RESPONSIBILITIES

Region		NSPS	NESHAP	PSD	SSR
IX	Arizona	I	I	-	-
	California	D **	D **	I	N
	Hawaii	I	I	-	A
	Nevada	I	-	-	-
	Guam	-	-	-	A
	American Samoa	-	-	-	A
X	Alaska	-	-	-	A
	Idaho	D	-	I	A
	Oregon	D	D	I	A
	Washington	D	D	N	A
TOTALS:					
Adopted State Regulations					50
Negotiating for Authority		16	17	8	1
Delegated EPA Authority		24	17	1	
Interested in Requesting Authority		7	7	13	

**14 delegations to local governments

A - Adopted state regulations; D - Delegated EPA authority
N - Negotiating for authority; I - Interested in requesting authority

may be shifted to overseeing state and local NSR programs. Consequently, Regions will be involved with general program audits, guidance for state program coordination, and will be providing technical support to states during difficult review situations. Future headquarters guidance will be directed toward this type of regional role.

SULFUR DIOXIDE EMISSION REGULATIONS

Since January 1975, several states have proposed changes to their emission limitations for sources of sulfur dioxide (SO_2). These actions have included deletion of requirements that some SO_2 sources meet the next increment of SO_2 reduction set forth in the State Implementation Plan, postponement of the date by which subject sources must meet a tightened emission limit, and establishment of less restrictive emission limits for SO_2 sources which may result in actual emission increases.

In general, the SO_2 emission regulation revision efforts were directed toward major fuel burning installations and electric utilities in particular. There are three factors which undoubtedly affected decisions by the states to revise their regulations. First and foremost was the limited quantity and high cost of low sulfur fuels. In an attempt to minimize the impact on air quality from a shortage of low sulfur fuel EPA established a Clean Fuel Policy (1972) which encouraged those states which could safely switch to alternate fuels to do so and thus make the limited quantity low sulfur fuels available in areas which needed such fuels to attain and maintain the National Ambient Air Quality Standards. Subsequent to the Clean Fuels Policy the Energy Supply and Environmental Coordination Act was passed by Congress in 1974.

The second factor affecting state decisions to modify SO_2 emission standards was the general economic instability which occurred during this period. The rapid rise in the cost of low sulfur fuel coupled with an anticipated increase in unemployment resulting from the phase-out of high sulfur fuel production facilities precipitated state action to modify standards so that local or less expensive fuels could be used.

A third factor was the realization by many states that their regulations were more restrictive than needed to attain and maintain the National Ambient Air Quality Standards for sulfur dioxide.

The general policy on relaxation of sulfur dioxide emission regulations is:

1. The basis for approval must be whether the national primary standard will be attained and maintained in accordance with the Clean Air Act. The secondary standard must be attained within a reasonable time.

2. EPA will cooperate with national energy programs to the fullest extent possible consistent with the timely attainment and maintenance of standards, although the Agency is concerned about possible increases in ambient sulfate levels.

From January 1975 through October 1976, twelve states submitted fifteen proposed SIP revisions which would relax SO_2 regulations for power plants. During the same period nine of those SIP revisions have been approved. Table II-5 lists those states involved in SIP actions which have resulted in relaxation of emission limits for power plants.

AIR QUALITY MONITORING

Standing Air Monitoring Work Group (SAMWG)

In September 1975, the Deputy Administrator of EPA directed that a standing group be created to perform an in-depth review of air quality monitoring activities conducted by EPA and state and local agencies pursuant to regulations issued under the Clean Air Act. Representation included all EPA offices involved with monitoring, plus state and local control agency representatives.

The goal of the SAMWG is to conduct a comprehensive review of the State Implementation Plan air monitoring activities, both ambient and source. The objective of the study is to identify priority monitoring issues for presentation in decision papers for agency approval and subsequent changes. In addition, a five-year monitoring strategy guideline will be developed. The approach of the study is to identify adequate levels of air quality data for priority air pollution control programs with minimum resource allocation.

Table II-5. SO_2 CONTROL REGULATION RELAXATION FOR POWER PLANTS

State	Proposal Date	Approval Date	Nature of Revision
Alabama	1/13/76	Pending	Certain counties were reclassified so that emission limits for sources in those counties could be relaxed from 1.8 to 4 lbs. $SO_2/10^6$ BTU heat input.
District of Columbia	6/29/76	Pending	Delays requirement for reducing sulfur in fuel from 1.0% to 0.5% until one year after EPA approval.
Florida	8/15/75	4/19/76	Relaxes sulfur content of solid and liquid fuels for different sources and areas of the state depending on concentration of sources and ambient SO_2 levels.
Indiana	5/2/75	Pending	The new regulation, by source size and county, relaxes limitations for certain counties.
Iowa	2/24/76	Pending	Emission limits for solid fuel burning equipment relaxed to 6.0 lbs. $SO_2/10^6$ BTU after 7/31/75 and 5.0 lbs $SO_2/10^6$ BTU after 7/31/78. Emission limits for liquid fuel burning equipment relaxed to 2.5 lbs $SO_2/10^6$ BTU.
Kentucky	12/16/75	5/10/76	Sulfur content of fuels relaxed for some sources and areas and tightened for others according to local problems.
Maryland	1/30/75	12/5/75	Permanent elimination of requirement to change from 1% to .5% sulfur residual fuel oils for entire state except Baltimore AQCR where elimination is for 1 year.
Maryland	10/6/75	3/1/76	Relaxes sulfur content of solid fuels from 1 to 2.1% and residual fuel oils from 1 to 2% for entire state except Baltimore and National Capital AQCRs.
Maryland	7/29/76	Pending	Permanent elimination of requirement to change from 1% to .5% sulfur residual fuel oils for Baltimore AQCR.

Table II-5 (continued). SO_2 CONTROL REGULATION RELAXATION FOR POWER PLANTS

State	Proposal Date	Approval Date	Nature of Revision
Massachusetts	10/7/75	12/5/75	Sulfur content of fuel requirements for Boston Air Pollution Control District relaxed until July 1, 1977.
New Jersey	5/21/76	7/12/76	Relaxes, until 6 months after EPA approval, sulfur in fuel limitations for facilities in Salem, Cumberland, and Cape May Counties.
New Jersey	7/29/76	10/1/76	Relaxes, until 6 months after EPA approval, sulfur in fuel limitations for one source in Cumberland County.
New York	5/25/76	7/20/76	Relaxes until May 31, 1977 sulfur in fuel limitations for three power plants in Suffolk and Oswego Counties.
Pennsylvania	5/10/76		Delays until 10/1/76 the requirement to lower the allowable sulfur content of fuel oil from .5 to .3%.
Virgin Islands	5/13/76	7/12/76	Relaxes sulfur in fuel limitations to 2.0% for St. Thomas and St. John and 1.5% for St. Croix.

In January 1976, SAMWG developed specific plans for carrying out these objectives. Ten issue/decision papers are being developed:

1. Evaluation of the Need for Tape Sampler Instruments
2. General Background Paper on Air Monitoring
3. Strategy Issues for Improved SO_2 Monitoring
4. Strategy Issues for Improved $HC\text{-}O_3$ Monitoring
5. Ambient Monitoring for Point Sources
6. Strategy Issues for Improved NO_2 Monitoring
7. Strategy Issues for Improved CO Monitoring
8. Non-Criteria Pollutant Monitoring -- General Strategy
9. Strategy Issues for Improved TSP Monitoring
10. Flow and Handling of Air Quality Data

In addition to work on these papers, SAMWG has developed regional, state, and local program guidance for FY 1977 and FY 1977 program guidance for EPA headquarters.

Monitoring Data

Tables II-6, 7, and 8 reflect the status of data for calendar year 1975 which has been successfully incorporated into the National Air Data Bank, as of September 14, 1976.

Table II-6 lists, by state, the numbers of TSP, NO_2, hydrocarbon, oxidant, CO, and SO_2 sites at which monitoring was conducted during 1975, as evidenced by the submittal of any data to EPA through September 14, 1976. All states and jurisdictions except American Samoa have submitted data for at least one pollutant. The numbers of sites will be slightly larger than the numbers of actual monitors in use as a consequence of relocating some equipment during the calendar year. Both the old site and the new site contribute to the count, even though a single instrument has produced both sets of data. The number of such moves is not known-- possibly in the neighborhood of 5% of the totals, nationally.

The total numbers of reporting sites are beginning to stabilize in 1975. During the early '70s, when many state and local networks were being established, the numbers of monitoring sites were increasing substantially from year to year (Table II-7).

Table II-6. MONITORING SITES REPORTING DATA (1975)

State	TSP	NO_2	Total hydro-carbons	Oxidant	CO	SO_2
Alabama	90	25	3	7	7	44
Alaska	24	2	1	1	5	7
Arizona	68	15	3	11	14	29
Arkansas	54	22	0	0	0	18
California	92	96	55	112	72	75
Colorado	80	4	6	6	8	8
Connecticut	83	48	1	17	13	70
Delaware	18	1	0	0	0	17
District of Columbia	9	6	0	3	2	3
Florida	157	67	8	14	11	106
Georgia	65	34	1	1	2	46
Hawaii	14	22	0	1	1	13
Idaho	36	1	0	0	1	10
Illinois	166	99	2	31	18	148
Indiana	111	76	0	6	5	91
Iowa	51	17	0	7	3	30
Kansas	63	50	0	7	8	50
Kentucky	125	122	5	11	13	142
Louisiana	35	21	0	7	2	25
Maine	32	3	0	1	1	33
Maryland	79	70	7	11	13	75
Massachusetts	67	58	0	21	10	82
Michigan	140	35	0	4	9	60
Minnesota	78	22	0	10	7	45
Mississippi	31	3	0	4	0	21
Missouri	57	19	11	20	11	21
Montana	53	15	1	7	4	39
Nebraska	48	15	0	2	3	18
Nevada	40	2	1	5	4	3
New Hampshire	31	12	0	3	3	17
New Jersey	66	13	4	8	22	32
New Mexico	71	2	0	5	11	42
New York	304	24	10	16	29	167
North Carolina	145	122	0	3	1	125
North Dakota	32	9	0	0	0	9
Ohio	326	149	4	29	15	188
Oklahoma	71	22	0	4	3	32
Oregon	49	2	2	4	6	14
Pennsylvania	144	34	0	30	32	60
Puerto Rico	17	5	0	0	0	15
Rhode Island	22	29	0	2	2	28

Table II-6 (continued). MONITORING SITES REPORTING DATA (1975)

State	TSP	NO_2	Total hydro-carbons	Oxidant	CO	SO_2
South Carolina	75	59	0	3	3	69
South Dakota	23	3	0	0	0	8
Tennessee	107	107	0	12	8	72
Texas	115	95	12	14	13	100
Utah	28	8	0	7	6	22
Vermont	13	0	0	1	2	4
Virginia	166	15	0	19	12	87
Washington	64	4	0	6	10	33
West Virginia	48	2	0	1	0	36
Wisconsin	122	30	8	15	18	72
Wyoming	47	6	0	0	0	10
Guam	3	4	0	0	0	4
Virgin Islands	5	0	0	0	0	4
Total	4060	1726	145	509	443	2579

(No data - American Samoa)

Table II-7. NUMBERS OF SITES AT WHICH MONITORING HAS BEEN CONDUCTED, 1970-1975

	TSP	SO_2	CO	O_x	NO_2
1970	1283	403	73	51	(Method Revised)
1971	2044	729	133	82	
1972	2975	1311	191	162	
1973	3762	2008	299	265	
1974	4281	2555	433	431	1537
1975	4060	2579	443	509	1726

Table II-8 lists, by state, the numbers of TSP, NO_2, hydrocarbon, oxidant, CO and SO_2 sites for which sufficiently complete data have been reported for the year to afford the calculation of a statistically representative annual mean. This criterion is primarily relevant to those polutants having a standard based on the annual mean - TSP, SO_2, and NO_2. Although the annual mean of data from a CO monitor is not of critical interest, substantial blocks of missing data can preclude conclusive statements about the prevalence of violations or the certainty of compliance. The same could be contended for oxidant/ozone monitors except that strong seasonality renders the expectation of violations extremely small in some areas during the winter months. Accordingly, several northeastern states schedule monitoring only during the warmer months when measurable oxidant levels occur; thus by design they do not collect a complete year's data for this pollutant.

The District of Columbia, Nevada, Pennsylvania, Virginia, and American Samoa are absent from Table II-8 indicating that the EPA data bank contained no complete 1975 data for any pollutant from these areas as of mid-September, 1976.

AIR POLLUTION EPISODES

In the period January 1, 1976, to June 30, 1976, there were 111 air pollution episodes in 12 states in 6 EPA regions. Seventy-eight episodes were recorded in California alone. High oxidant/ozone levels were responsible for 91 of the total episodes. The remainder of the air pollution episodes were scattered among TSP, CO, SO_2, and $TSPxSO_2$. Table II-9 summarizes the number and type of air pollution episodes by EPA regions and states.

CONTROL AGENCY SUPPORT

At the end of FY 76 resources for all state and local control agencies, including those not receiving any Federal support, totaled approximately 7,500 man-years and $157.2 million. The Federal Government contributed approximately $55.2 million (35 percent of the monetary resources) through Federal program grant assistance, Federal assignees, and special demonstration grants and contract assistance.

Table II-8. MONITORING SITES REPORTING DATA MEETING ANNUAL SUMMARY CRITERIA (1975)

State	TSP	NO_2	Total hydro-carbons	Oxidant	CO	SO_2
Alabama	11	7	0	0	1	7
Alaska	15	1	0	0	3	4
Arizona	46	0	0	1	5	6
Arkansas	41	1	0	0	0	15
California	60	51	40	71	56	29
Colorado	55	2	5	5	5	5
Connecticut	51	31	0	0	2	31
Delaware	13	0	0	0	0	7
Florida	8	4	0	3	1	5
Georgia	55	31	0	1	1	34
Hawaii	10	0	0	0	0	8
Idaho	17	0	0	0	0	5
Illinois	138	56	0	5	3	78
Indiana	73	38	0	0	0	40
Iowa	46	5	0	3	2	20
Kansas	49	34	0	2	6	36
Kentucky	94	104	1	5	8	104
Louisiana	20	0	0	0	0	12
Maine	14	2	0	0	1	17
Maryland	64	51	0	0	0	50
Massachusetts	39	47	0	9	8	59
Michigan	98	23	0	0	7	45
Minnesota	63	16	0	1	5	33
Mississippi	21	1	0	2	0	12
Missouri	45	1	0	0	1	3
Montana	16	1	0	0	0	6
Nebraska	36	8	0	1	2	8
New Hampshire	30	10	0	1	1	14
New Jersey	4	0	0	0	0	8
New Mexico	26	0	0	0	1	20
New York	8	0	0	0	0	7
North Carolina	127	88	0	1	0	92
North Dakota	13	0	0	0	0	2
Ohio	237	85	1	7	7	108
Oklahoma	1	3	0	0	2	2
Oregon	46	2	1	3	3	9
Puerto Rico	3	0	0	0	0	3
Rhode Island	15	14	0	0	2	15
South Carolina	71	47	0	2	0	53
South Dakota	1	1	0	0	0	1
Tennessee	97	34	0	5	2	47

Table II-8 (continued). MONITORING SITES REPORTING DATA MEETING ANNUAL SUMMARY CRITERIA (1975)

State	TSP	NO_2	Total hydro-carbons	Oxidant	CO	SO_2
Texas	60	14	1	7	0	52
Utah	12	4	0	4	4	6
Vermont	8	0	0	0	0	0
Washington	56	3	0	6	6	12
West Virginia	33	0	0	0	0	23
Wisconsin	51	2	0	5	5	26
Wyoming	18	1	0	0	0	4
Guam	3	4	0	0	0	4
Virgin Islands	4	0	0	0	0	0
Total	2122	827	49	150	150	1187

(Incomplete data: American Samoa, District of Columbia, Nevada, Pennsylvania, Virginia)

Table II-9. SUMMARY OF AIR POLLUTION EPISODES FOR JANUARY THROUGH JUNE 1976

Area	Pollutant[b]	# of Episodes[a]					
		Jan	Feb	Mar	April	May	June
Region I							
Connecticut							
Entire state	O_x	0	0	0	1	0	1
Fairfield Co.	O_x	0	0	0	0	0	1
New Haven Co.	O_x	0	0	0	0	0	1
Region II							
None reported for any pollutant							
Region III[c]							
None reported for any pollutant							
Region IV							
Alabama							
Jefferson Co.	TSP	1	0	0	1	1	1
Kentucky							
Cambell, Canton, and Boone Co's.	O_x	0	0	0	0	1	1
Region V							
Illinois							
Madison Co.	O_x	0	0	0	0	0	1
Chicago	O_x	0	0	0	0	0	1
Indiana							
Floyd and Clark Co's.	O_x	0	0	0	0	0	1
Ohio							
Belmont, Columbiana, Jefferson, and Monroe Co's.	TSPxSO_2	0	1	0	1[d]	2	2
Cleveland	TSPxSO_2	0	0	0	0	0	1
Miami and Montgomery Co.	O_x	0	0	0	0	0	1
Lawrence Co.	TSP	0	0	0	1	0	0
Cincinnati	O_x	0	0	0	0	0	1
Cleveland	O_x	0	0	0	0	0	1
Dayton	O_x	0	0	0	0	0	1
Youngstown	O_x	0	0	0	0	0	1
Wisconsin							
Southeast District	O_x	0	0	0	0	0	1

Table II-9 (continued) SUMMARY OF AIR POLLUTION EPISODES FOR JANUARY THROUGH JUNE 1976

Area	Pollutant[b]	# of Episodes[a] Jan	Feb	Mar	April	May	June
Region VI							
None reported for any pollutant							
Region VII							
None reported for any pollutant							
Region VIII							
Colorado							
Denver	CO	1	0	0	0	0	0
Utah							
Magna	SO_2	1[d]	0	0	0	0	0
Region IX							
California[e]							
Los Angeles Co.	O_x	0	0	0	1	10	13[d]
Orange Co.	O_x	0	0	0	1	5	4
Western San Bernadino Co.	O_x	0	2	2	0	9	13
Western Riverside Co.	O_x	0	0	0	0	5	8
Eastern Riverside Co.[f]	O_x	0	0	0	0	1	2
Los Angeles Co.	CO	2	0	0	0	0	0
Region X							
Alaska							
Fairbanks	CO	1	1	0	0	0	0
Idaho							
Boise	CO	1	0	0	0	0	0
Kellogg	SO_2	0	1	0	0	0	0

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[a] If not otherwise indicated, episodes are for the Alert stage.

[b] O_x = oxidant/ozone
TSP = total suspended particulate
CO = carbon monoxide
SO_2 = sulfur dioxide
$TSP \times SO_2$ = the numerical product of the concentrations of TSP and SO_2.

[c] Region III reports Warning and Emergency Stage episodes only.

[d] Warning stage was attained.

[e] Each day of episodic levels is tallied as a distinct episode in California.

[f] Portion of Riverside Co. outside the Los Angeles Air Quality Control Region.

In these agencies approximately 6800 man-years and $152.2 million are used in the traditional operational air pollution control programs. The remainder of the man-years and dollars are expended by non-federally supported control agencies mainly in the area of local compliance by minor sources and in some instances in research and development in areas such as ambient air monitoring and development of inspection/maintenance programs.

The resources needed to maintain and attain standards have continued to outstrip existing manpower and dollar availability. In those agencies primarily responsible for SIP accomplishment which receive some Federal government support, estimates indicate that needs approximating 10,300 man-years and $210 million now exist for FY 1977. These estimates were provided by the states in 1973 and reflect a minimal increase over estimates for 1975, provided at the same time, of 9500 man-years and $192 million. Predictive methods (based on manpower models developed in 1967 and 1975) also indicate that resource needs now are in the range of 10,000 man-years.

The 1977 resource estimates indicate increases necessary to assist areas with problems in attaining national ambient air quality standards, new source reviews, and controls related to automotive pollutants. These resources are not only allocated to help state and local agencies with traditional monitoring and enforcement programs but also to develop increasingly complex control programs affected by energy tradeoffs, social and economic considerations, and long-range transport of air pollutants such as photochemical oxidants. In addition, the control agencies will be developing long-term attainment and maintenance plans that may include strategies for control of minor sources and non-traditional sources such as industrial fugitive emissions and urban reentrainment as well as strategies associated with transportation and land use.

At the end of FY 1976, state and local control agencies had available approximately 66 percent of the manpower and 73 percent of the funds stated as being needed by 1977. Since 1973, the amount of Federal dollars available has remained relatively constant at approximately 51.5 million, with the 1976 allocation receiving a slight increase to $55.2 million and with the 1977 budget anticipated to increase to $55.5 million. Total funding increased over 1975 by approximately 6 percent ($9.2 million) and man-years of effort increased by 4 percent. These increases were approximately 50 percent of the increases experienced for each of the two previous years.

REFERENCES

1. SIP Progress Report, January 1 to June 30, 1975, U.S. Environmental Protection Agency, EPA-450/2-75-008, September 1975.

III. STATE PROFILES

INTRODUCTION

This section presents, in a state-by-state format, information on attainment of national ambient air quality standards, SIP development, resources, source compliance and enforcement activities. Data are presented primarily in a series of tables. States are arranged by EPA Region. No attempt is made to provide a comparative analysis of any state's program and progress in relation to the activities of any other state.

Table A presents for each state the attainment status of each AQCR or interstate portion of AQCR for TSP, SO_2, CO, Oxidant and NO_2. These tables are based on information provided by EPA Regional Offices as of September 15, 1976. The tables indicate attainment, SIP revision for attainment and maintenance, SIP revision for maintenance only, and non-attainment with no call for a SIP revision.

Table B is a summary of the status, as published in the Federal Register, of three portions of each state's SIP: regulations for review of new stationary sources, transportation control measures, and emission limitations for TSP, SO_2, HC and NO_2. The status of emission limitations is given for stationary sources and does not include any transportation control measures.

Table C compares resources needed in FY 77 (based on SIP projections) to resources actually available for FY 1976. The comparison is given for both man-years and dollars. The projected resource needs are derived from data provided by Regional Offices in December 1973 that reflect revisions to implementation plans which generally require additional manpower. These estimates have not necessarily been formally submitted as resource revisions to the SIPs. Additional manpower is needed for such plan revisions as transportation controls, new source review programs, air quality maintenance plan development, significant deterioration activities, and the additional monitoring and evaluation requirements.

Man-years are in terms of equivalent man-years estimated by Regions from program information and agency inquiries and are based on the projected number of budgeted and on-board positions that would be available in 1976. Dollar amounts incorporate state and local funds (including state funds to local agencies) as well as federal funds for state and local agency grants. These amounts do not include federal support to states from other sources such as contract and research funds and associated non-federal expenditures.

Table D gives the compliance status of major installations (facilities capable of emitting over 100 tons of a pollutant each year) in each state and a summary of enforcement actions taken by state and local agencies.

EPA REGION I

CONNECTICUT
MAINE
MASSACHUSETTS
NEW HAMPSHIRE
RHODE ISLAND
VERMONT

TABLE A
CONNECTICUT

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
041. Eastern Connecticut				AR	
042. Hartford-New Haven-Springfield Interstate (Conn. portion)	AR	MR	AR	AR	
043. New Jersey-New York-Conn. Interstate (Conn. portion)	AR	MR	AR	AR	
044. Northwestern Connecticut				AR	

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

CONNECTICUT

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Indirect source review regulation approved on 2/13/76.**
Transportation Measures	**Measures are required for Hartford-New Haven-Springfield AQCR and New York-New Jersey-Connecticut AQCRs.**
Emission Limitations	**Approved**

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[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	271	$5,386
Actual resources available in FY 1976	131	2,851

CONNECTICUT

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
237	219	17	1

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	1,700
2. Field investigations..........................	2,106
TOTAL	3,806

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	1,165
2. Administrative orders issued..................	79
3. Civil/criminal proceedings initiated..........	15
TOTAL	1,259

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

MAINE

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
107. Androscoggin Valley Interstate (Maine portion)	AR				
108. Aroostock					
109. Down East	AR		AR		
110. Metropolitan Portland					
111. Northwest Maine					

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

MAINE

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	42	$816
Actual resources available in FY 1976	23	$386

MAINE

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
147	105	26	16

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	239
2. Field investigations..........................	189
TOTAL	428

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	1
2. Administrative orders issued..................	3
3. Civil/criminal proceedings initiated..........	3
TOTAL	7

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

MASSACHUSETTS

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

Pollutant AQCR	TSP	SO_2	CO	O_x	NO_2
042. Hartford-New Haven-Springfield (Mass. portion)	MR	MR	AR	AR	
117. Berkshire	AR			AR	
118. Central Massachusetts	AR	MR	AR	AR	
119. Metropolitan Boston	AR	MR	AR	AR	
120. Metropolitan Providence Interstate (Mass. portion)			AR	AR	
121. Merrimac Valley-South New Hampshire Interstate (Mass. portion)	MR	MR	AR	AR	

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

MASSACHUSETTS

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	Removal of court suspension of TCP regulations on 3/10/76 for Metro. Boston AQCR.
Emission Limitations	Promulgation for SO_2 (12/75-sulfur content of fuel), approved for other pollutants.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	189	$3,090
Actual resources available in FY 1976	126	1,854

MASSACHUSETTS

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
561	511	39	11

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	3,477
2. Field investigations.........................	4,866
TOTAL	8,343

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	1,937
2. Administrative orders issued.................	13
3. Civil/criminal proceedings initiated..........	12
TOTAL	1,962

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
NEW HAMPSHIRE

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
107. Androscoggin Valley Interstate (New Hampshire portion)	AR		AR		
121. Merrimac Valley-Southern New Hampshire Interstate (New Hampshire portion)	AR		AR	AR	
149. New Hampshire					

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

NEW HAMPSHIRE

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Promulgation for TSP (11/75), approved for other pollutants

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	29	$435
Actual resources available in FY 1976	22	300

NEW HAMPSHIRE

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
66	63	2	1

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	6
2. Field investigations..........................	210
TOTAL	216

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	44
2. Administrative orders issued..................	11
3. Civil/criminal proceedings initiated..........	3
TOTAL	58

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
RHODE ISLAND

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
120. Metropolitan Providence Interstate (R.I. portion)	AR	MR	AR	AR	

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

RHODE ISLAND

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	Measures required; hearing 11/75
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	28	$323
Actual resources available in FY 1976	18	318

RHODE ISLAND

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
73	66	5	2

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	151
2. Field investigations..........................	223
TOTAL	374

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	8
2. Administrative orders issued..................	5
3. Civil/criminal proceedings initiated..........	1
TOTAL	14

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

VERMONT

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
159. Champlain Valley Interstate (Vermont portion)			AR	AR	
221. Vermont					

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

VERMONT

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	23	$480
Actual resources available in FY 1976	11	270

VERMONT

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
56	47	3	6

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	0
2. Field investigations.........................	87
TOTAL	87

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	9
2. Administrative orders issued..................	8
3. Civil/criminal proceedings initiated..........	2
TOTAL	19

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

EPA REGION II

NEW JERSEY
NEW YORK
PUERTO RICO
VIRGIN ISLANDS

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TABLE A
NEW JERSEY

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
043. New Jersey-New York-Conn. Interstate (N.J. portion)	AR	MR	AR	AR	X
045. Metropolitan Philadelphia Interstate (N.J. portion)	AR	MR	AR	AR	
150. New Jersey	MR		X	AR	[2]
151. Northeast Pennsylvania-Upper Delaware Valley Interstate (N.J. portion)	MR		X	AR[2]	

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

[2] No or insufficient air monitoring data available. Attainment status is based on one or more of the following considerations:
(a) diffusion model
(b) emission inventory
(c) historical or incomplete data base
(d) measured air quality in adjacent AQCRs.

NEW JERSEY

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	State submittal approved on 7/7/76 for storage of volatile organic liquids.
Emission Limitations	EPA promulgation (7/73) for HC, approved for other pollutants.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	246	$4,915
Actual resources available in FY 1976	190	4,346

NEW JERSEY

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
666	608	43	15

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	1,957
2. Field investigations.........................	21,212
TOTAL	23,169

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	209
2. Administrative orders issued..................	1,744
3. Civil/criminal proceedings initiated..........	204
TOTAL	2,157

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

NEW YORK

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

Pollutant AQCR	TSP	SO_2	CO	O_x	NO_2
043. New Jersey-New York-Conn. Interstate (N.Y. portion)	AR	AR[2]	MR[3]	AR	X[4]
158. Central New York	AR		X	AR	
159. Champlain Valley Interstate (N.Y. portion)		X[4]	[2]	AR	
160. Genesee-Fingerlakes	MR			AR	
161. Hudson Valley	AR	AR[4]	X	AR	
162. Niagara Frontier	AR	MR[3]	X	AR	
163. Southern Tier East	MR	AR[4]		AR[2]	[2]
164. Southern Tier West	AR	AR[4]		AR	[2]

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

[2] No or insufficient air monitoring data available. Attainment status is based on one or more of the following considerations:
(a) diffusion model
(b) emission inventory
(c) historical or incomplete data base
(d) measured air quality in adjacent AQCRs.

[3] Non-attainment of the NAAQS and a call for a SIP revision for maintenance only.

[4] Point source or other localized problem.

NEW YORK

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved 9/15/75
Transportation Measures	Approval of HC measures involving solvent reformulation, recalculation of auto emissions and deletion of inspection/ maintenance of light duty vehicles for Genesee-Finger Lakes AQCR on 10/31/75
Emission Limitations	Rulemaking for SO_2 (6/75), approved for other pollutants.[2]

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	1,129	$28,822
Actual resources available in FY 1976	720	17,555

NEW YORK

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
990	852	99	39

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	0
2. Field investigations..........................	33,491
TOTAL	33,491

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	1,617
2. Administrative orders issued..................	55
3. Civil/criminal proceedings initiated..........	0
TOTAL	1,672

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

PUERTO RICO

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

Pollutant AQCR	TSP	SO_2	CO	O_x	NO_2
244. Puerto Rico	AR	MR	[2]	[2]	

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

[2] No or insufficient air monitoring data available. Attainment status is based on one or more of the following considerations:

(a) diffusion model
(b) emission inventory
(c) historical or incomplete data base
(d) measured air quality in adjacent AQCRs.

PUERTO RICO

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Deficient in part for SO_2 (9/75), approved for other pollutants.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	77	$800
Actual resources available in FY 1976	45	721

PUERTO RICO

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
137	89	42	6

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	219
2. Field investigations.........................	1,626
TOTAL	1,845

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	42
2. Administrative orders issued..................	101
3. Civil/criminal proceedings initiated..........	3
TOTAL	146

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

U.S. VIRGIN ISLANDS

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
247. U.S. Virgin Islands		X[3]	[2]	[2]	[2]

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

[2] No or insufficient air monitoring data available. Attainment status is based on one or more of the following considerations:
   (a) diffusion model
   (b) emission inventory
   (c) historical or incomplete data base
   (d) measured air quality in adjacent AQCRs.

[3] Point source or other localized problem.

VIRGIN ISLANDS

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved for all except public comment provisions (9/10/75)
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	10	$165
Actual resources available in FY 1976	7	138

VIRGIN ISLANDS

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
12	10	1	1

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	0
2. Field investigations..........................	15
TOTAL	15

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	17
2. Administrative orders issued..................	1
3. Civil/criminal proceedings initiated..........	0
TOTAL	18

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

EPA REGION III

DELAWARE
DISTRICT OF COLUMBIA
MARYLAND
PENNSYLVANIA
VIRGINIA
WEST VIRGINIA

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TABLE A
DELAWARE

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
045. Metropolitan Philadelphia Interstate (Delaware portion)	X			AR	
046. Southern Delaware				AR	

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

DELAWARE

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	48	\$670
Actual resources available in FY 1976	24	525

DELAWARE

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
53	52	1	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	No data
2. Field investigations..........................	
TOTAL	-

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	No data
2. Administrative orders issued..................	
3. Civil/criminal proceedings initiated..........	
TOTAL	-

---

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
DISTRICT OF COLUMBIA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
047. National Capital Interstate (D.C. portion)	AR		AR	AR	

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

DISTRICT OF COLUMBIA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	Measures promulgated for National Capital AQCR
Emission Limitations	Approved

---

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	54	$980
Actual resources available in FY 1976	22	487

DISTRICT OF COLUMBIA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
35	26	9	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)
1. Formal written inquiries......................
2. Field investigations.......................... No data

TOTAL -

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)
1. Notices/citations of violation issued.........
2. Administrative orders issued.................. No data
3. Civil/criminal proceedings initiated..........

TOTAL -

---

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
MARYLAND

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
047. National Capital Interstate (Md. portion)			AR	AR	
112. Central Maryland	X			AR	
113. Cumberland-Keyser Interstate (Md. portion)	AR			AR	
114. Eastern Shore				AR	
115. Metropolitan Baltimore	AR		AR	AR	
116. Southern Maryland				AR	

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

MARYLAND

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	Approval of Stage I HC regs. for sources having > 20,000 gal/month throughput. Fed. regs. remain in effect for sources < 20,000 gal/month.
Emission Limitations	Approval of SO_2 limitations for point sources over 100 million BTUs/hr. to 3.5 lb/10^6 for solid fuel and 2.0% of residual fuel oil. Deletion of 0.5% sulfur-in-fuel limit for Metro. Baltimore AQCR.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	212	$3,975
Actual resources available in FY 1976	169	3,609

MARYLAND

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
224	212	12	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	No data
2. Field investigations.........................	
TOTAL	-

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	No data
2. Administrative orders issued..................	
3. Civil/criminal proceedings initiated..........	
TOTAL	-

---

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

PENNSYLVANIA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
045. Metropolitan Philadelphia Interstate (Pa. portion)	AR	X	AR	AR	
151. Northeast Pennsylvania-Upper Delaware Valley Interstate (Pa. portion)	AR			AR	
178. Northwest Pennsylvania-Youngstown Interstate (Pennsylvania portion)	AR			AR	
195. Central Pennsylvania	AR			AR	
196. South Central Pennsylvania	AR			AR	
197. Southwest Pennsylvania	AR	AR	AR	AR	

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

PENNSYLVANIA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	Approval of Stage I HC regs. for sources having > 20,000 gal/month throughput. Federal regs. remain in effect for sources < 20,000 gal/month.
Emission Limitations	Regulations for zinc smelters approved. Delay in effective date of 0.3% sulfur-in-fuel limit for state until 10/1/76 approved on 5/10/76.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	523	$11,758
Actual resources available in FY 1976	379	8,289

PENNSYLVANIA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
1,852	1,684	165	3

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................
2. Field investigations..........................

No data

TOTAL -

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........
2. Administrative orders issued.................. No data
3. Civil/criminal proceedings initiated..........

TOTAL -

---

[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

TABLE A

VIRGINIA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
047. National Capital Interstate (Virginia portion)			AR	AR	
207. Eastern Tennessee-Southwestern Virginia Interstate (Virginia portion)	X			AR	
222. Central Virginia	X			AR	
223. Hampton Roads	X			AR	
224. Northeastern Virginia				AR	
225. State Capital	X			AR	
226. Valley of Virginia	X			AR	

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

VIRGINIA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	EPA promulgation for National Capital AQCR.
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	325	$4,557
Actual resources available in FY 1976	145	2,667

VIRGINIA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
572	554	18	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries...........................	No data
2. Field investigations..........................	
TOTAL	-

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	
2. Administrative orders issued..................	No data
3. Civil/criminal proceedings initiated..........	
TOTAL	-

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
WEST VIRGINIA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
103. Huntington-Ashland-Portsmouth Ironton Interstate (W.Va. portion)	X			AR	
113. Cumberland-Keyser Interstate (W. Virginia portion)				AR	
179. Parkersburg-Marietta Interstate (W. Va. portion)				AR	
181. Steubenville-Weirton-Wheeling Interstate (W. Va. portion)	AR			AR	
231. Allegheny				AR	
232. Central West Virginia				AR	
233. Eastern Panhandle				AR	
234. Kanawha Valley	AR			AR	
235. North Central West Virginia				AR	
236. Southern West Virginia		X		AR	

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

WEST VIRGINIA

Table B STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved (11/10/75)
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	138	$2,108
Actual resources available in FY 1976	65	1,109

WEST VIRGINIA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
262	218	43	1

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)
1. Formal written inquiries......................
2. Field investigations.......................... No data

TOTAL -

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)
1. Notices/citations of violation issued......... No data
2. Administrative orders issued..................
3. Civil/criminal proceedings initiated..........

TOTAL -

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

EPA REGION IV

- ALABAMA
- FLORIDA
- GEORGIA
- KENTUCKY
- MISSISSIPPI
- NORTH CAROLINA
- SOUTH CAROLINA
- TENNESSEE

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TABLE A

ALABAMA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
001. Alabama and Tombigbee Rivers					
002. Columbus-Phenix City Interstate (Alabama portion)					
003. East Alabama	X				
004. Metropolitan Birmingham	AR		X	X	
005. Mobile-Pensacola-Panama City Southern Mississippi Interstate (Alabama portion)	X			X	
006. Southeast Alabama					
007. Tennessee River Valley-Cumberland Mountains Interstate (Alabama portion)	X	X			

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

ALABAMA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Revised p.m. limit for Portland Cement plants approved 5/11/76.** **Revised limitations for SO_2 for sulfuric acid plants approved 5/27/76.**

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[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	168	$2,655
Actual resources available in FY 1976	99	1,819

ALABAMA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
816	799	17	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	140
2. Field investigations..........................	5,967
TOTAL	6,107

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	53
2. Administrative orders issued..................	4
3. Civil/criminal proceedings initiated..........	3
TOTAL	60

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[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

TABLE A

FLORIDA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
005. Mobile-Pensacola-Panama City Southern Mississippi Interstate (Florida portion)				X	
048. Central Florida					
049. Jacksonville-Brunswick Interstate (Florida portion)	X		X	X	
050. Southeast Florida				X	
051. Southwest Florida					
052. West Central Florida	X	X		X	

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

FLORIDA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Approval of change in SO_2 limitations (relaxation) for power plants in all counties except Duval, Escambia and Hillsborough on 4/19/76. (307 challenge)**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	235	$4,097
Actual resources available in FY 1976	115	2,562

FLORIDA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
435	407	26	2

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	201
2. Field investigations..........................	3,126
TOTAL	3,327

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	180
2. Administrative orders issued..................	29
3. Civil/criminal proceedings initiated..........	42
TOTAL	251

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[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

TABLE A
GEORGIA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
002. Columbus-Phenix City Interstate (Georgia portion)					
049. Jacksonville-Brunswick Interstate (Georgia portion)					
053. Augusta-Aiken Interstate (Georgia portion)					
054. Central Georgia					
055. Chattanooga Interstate (Georgia portion)		X			
056. Metropolitan Atlanta			AR	AR	
057. Northeast Georgia					
058. Savannah-Beaufort Interstate (Georgia portion)	X				
059. Southwest Georgia					

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

GEORGIA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	131	$2,602
Actual resources available in FY 1976	86	1,738

GEORGIA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
303	281	22	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	78
2. Field investigations..........................	1,702
TOTAL	1,780

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	31
2. Administrative orders issued..................	12
3. Civil/criminal proceedings initiated..........	3
TOTAL	46

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

KENTUCKY

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

Pollutant AQCR	TSP	SO_2	CO	O_x	NO_2
072. Paducah-Cairo Interstate (Kentucky portion)		X	X	X	
077. Evansville-Owensboro-Henderson Interstate (Kentucky portion)	X	X	X	X	
078. Louisville Interstate (Kentucky portion)	X	X	AR	AR	
079. Metropolitan Cincinnati Interstate (Kentucky portion)	X			AR	
101. Appalachian	X				
102. Bluegrass	X		X	X	
103. Huntington-Ashland-Portsmouth Ironton Interstate (Kentucky portion)	X	AR			
104. North Central Kentucky					
105. South Central Kentucky					

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

KENTUCKY

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Entire set of regulations approved on 5/10/76. (307 challenge)**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	201	$3,592
Actual resources available in FY 1976	141	2,641

KENTUCKY

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
774	516	258	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries	199
2. Field investigations	3,749
TOTAL	3,948

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued	224
2. Administrative orders issued	39
3. Civil/criminal proceedings initiated	79
TOTAL	342

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

MISSISSIPPI

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR	Pollutant	TSP	SO_2	CO	O_x	NO_2
005.	Mobile-Pensacola-Panama City Southern Mississippi Interstate (Mississippi portion)	X			X	
018.	Metropolitan Memphis Interstate (Mississippi portion)				X	
134.	Mississippi Delta					
135.	Northeast Mississippi					

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

MISSISSIPPI

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars $(x10^3)$
Resource needs projected for FY 1977	79	$1,240
Actual resources available in FY 1976	48	656

MISSISSIPPI

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
333	237	78	18

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	58
2. Field investigations.........................	132
TOTAL	190

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	0
2. Administrative orders issued..................	11
3. Civil/criminal proceedings initiated..........	0
TOTAL	11

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
NORTH CAROLINA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
136. Northern Piedmont					
165. Eastern Mountain					
166. Eastern Piedmont					
167. Metropolitan Charlotte Interstate (North Carolina portion)			AR	AR	
168. Northern Coastal Plain					
169. Sandhills					
170. Southern Coastal Plain					
171. Western Mountain					

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

NORTH CAROLINA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Approved**

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[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	225	$3,845
Actual resources available in FY 1976	123	2,769

NORTH CAROLINA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
865	826	39	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	81
2. Field investigations.........................	4,015
TOTAL	4,096

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	54
2. Administrative orders issued..................	82
3. Civil/criminal proceedings initiated..........	1
TOTAL	137

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
SOUTH CAROLINA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
053. Augusta-Aiken Interstate (South Carolina portion)					
058. Savannah-Beaufort Interstate (South Carolina portion)					
167. Metropolitan Charlotte Interstate (South Carolina portion)				X	
198. Camden-Sumter					
199. Charleston	MR				
200. Columbia				X	
201. Florence					
202. Greenville-Spartanburg					
203. Greenwood					
204. Georgetown	MR				

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

SOUTH CAROLINA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Approved**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	130	$2,237
Actual resources available in FY 1976	71	1,206

SOUTH CAROLINA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
239	236	3	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	0
2. Field investigations.........................	1,076
TOTAL	1,076

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	123
2. Administrative orders issued..................	0
3. Civil/criminal proceedings initiated..........	0
TOTAL	123

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[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

TABLE A
TENNESSEE

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

Pollutant AQCR	TSP	SO_2	CO	O_x	NO_2
007. Tennessee River Valley-Cumberland Mountains Interstate (Tennessee portion)					
018. Metropolitan Memphis Interstate (Tennessee portion)			X	X	
055. Chattanooga Interstate (Tennessee portion)	AR		X	X	
207. Eastern Tennessee-Southwestern Virginia Interstate (Tennessee portion)	X	X	X	X	
208. Middle Tennessee	X	X	X	AR	
209. Western Tennessee	X				

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

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A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

TENNESSEE

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	203	$3,380
Actual resources available in FY 1976	142	2,453

TENNESSEE

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
705	579	126	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	286
2. Field investigations..........................	5,131
TOTAL	5,417

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	251
2. Administrative orders issued..................	62
3. Civil/criminal proceedings initiated..........	4
TOTAL	317

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[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

EPA REGION V

ILLINOIS
INDIANA
MICHIGAN
MINNESOTA
OHIO
WISCONSIN

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TABLE A
ILLINOIS

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
065. Burlington-Keokuk Interstate (Illinois portion)	X	X		AR	
066. East Central Illinois				AR	
067. Metropolitan Chicago Interstate (Illinois portion)	X	X	X	AR	X
068. Metropolitan Dubuque Interstate (Illinois portion)				AR	
069. Metropolitan Quad Cities Interstate (Illinois portion)	X			AR	
070. Metropolitan St. Louis Interstate (Illinois portion)	X	X		AR	
071. North Central Illinois				AR	
072. Paducah-Cairo Interstate (Illinois portion)		X		AR	
073. Rockford-Janesville-Beloit Interstate (Illinois portion)				AR	
074. Southeast Illinois				AR	
075. West Central Illinois	X			AR	

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ILLINOIS

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	Measures promulgated for Chicago AQCR.
Emission Limitations	CO strategy disapproved 6/73; approved for other pollutants.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	637	$14,800
Actual resources available in FY 1976	352	7,738

ILLINOIS

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
1,518	1,464	44	10

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	506
2. Field investigations..........................	2,099
TOTAL	2,605

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	69
2. Administrative orders issued..................	0
3. Civil/criminal proceedings initiated..........	30
TOTAL	99

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
INDIANA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
067. Metropolitan Chicago Interstate (Indiana portion)	X	X		AR	
076. East Central Indiana				AR	
077. Evansville-Owensboro-Henderson Interstate (Indiana portion)		X		AR	
078. Louisville Interstate (Indiana portion)	X			AR	
079. Metropolitan Cincinnati Interstate (Indiana portion)	X			AR	
080. Metropolitan Indianapolis	X			AR	
081. Northeast Indiana				AR	
082. South Bend-Elkhart-Benton Harbor Interstate (Indiana portion)		X		AR	
083. Southern Indiana		X		AR	
084. Wabash Valley	X	X		AR	

---

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INDIANA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	EPA promulgations (5/73 and 2/74)
Transportation Measures	EPA promulgation (4/74) for Indianapolis AQCR.
Emission Limitations	Disapproval of regs. for control of HC from stationary sources on 5/6/76.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	180	$2,338
Actual resources available in FY 1976	160	2,866

INDIANA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
762	593	78	91

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries.....................	618
2. Field investigations.........................	4,220
TOTAL	4,838

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	436
2. Administrative orders issued..................	82
3. Civil/criminal proceedings initiated..........	18
TOTAL	536

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
MICHIGAN

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
082. South Bend-Elkhart-Benton Harbor Interstate (Michigan portion)				AR	
122. Central Michigan			X	AR	
123. Metropolitan Detroit-Port Huron	X		X	AR	
124. Metropolitan Toledo Interstate (Michigan portion)	X			AR	
125. South Central Michigan		X		AR	
126. Upper Michigan	X			AR	

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MICHIGAN

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	EPA promulgation (10/72).
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	267	$5,730
Actual resources available in FY 1976	157	4,388

MICHIGAN

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
455	438	14	3

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	0
2. Field investigations..........................	2,562
TOTAL	2,562

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	2,237
2. Administrative orders issued..................	20
3. Civil/criminal proceedings initiated..........	52
TOTAL	2,309

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
MINNESOTA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR / Pollutant	TSP	SO_2	CO	O_x	NO_2
127. Central Minnesota				AR	
128. Southeast Minnesota-La Crosse Interstate (Minnesota portion)			X	AR	
129. Duluth-Superior Interstate (Minnesota portion)				AR	
130. Metropolitan Fargo-Moorhead Interstate (Minnesota portion)				AR	
131. Minneapolis-St. Paul	X	X	X	AR	
132. Northwest Minnesota	X			AR	
133. Southwest Minnesota	X			AR	

---

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MINNESOTA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	Measures for Minneapolis-St. Paul AQCR.
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	108	$1,136
Actual resources available in FY 1976	41	1,342

MINNESOTA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
392	355	20	17

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	1,030
2. Field investigations..........................	638
TOTAL	1,668

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	No data
2. Administrative orders issued..................	
3. Civil/criminal proceedings initiated..........	
TOTAL	-

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
OHIO

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

Pollutant AQCR	TSP	SO_2	CO	O_x	NO_2
079. Metropolitan Cincinnati Interstate (Ohio portion)	X		X	AR	
103. Huntington-Ashland-Portsmouth-Ironton Interstate (Ohio portion)	X			AR	
124. Metropolitan Toledo Interstate (Ohio portion)			X	AR	
173. Dayton	X		AR	AR	
174. Greater Metropolitan Cleveland	X	X	AR	AR	
175. Mansfield-Marion				AR	
176. Metropolitan Columbus	X			AR	
177. Northwest Ohio	X	X		AR	
178. Northwest Pennsylvania-Youngstown Interstate (Ohio portion)	X	X		AR	
179. Parkersburg-Marietta Interstate (Ohio portion)	X			AR	
180. Sandusky	X			AR	
181. Steubenville-Wierton-Wheeling Interstate (Ohio portion)	X	X		AR	

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TABLE A
OHIO - Continued

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR / Pollutant	TSP	SO_2	CO	O_x	NO_2
182. Wilmington-Chillicothe-Logan	X			AR	
183. Zanesville-Cambridge		X		AR	

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

OHIO

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	EPA promulgation (4/74)
Transportation Measures	Measures promulgated for Cincinnati AQCR
Emission Limitations	HC strategy disapproved, SO_2 strategy promulgated (8/76), approved for other pollutants.

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[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	505	$8,384
Actual resources available in FY 1976	359	5,300

OHIO

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
934	629	250	55

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	0
2. Field investigations..........................	5,802
TOTAL	5,802

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	
2. Administrative orders issued..................	No data
3. Civil/criminal proceedings initiated..........	
TOTAL	-

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

WISCONSIN

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
068. Metropolitan Dubuque Interstate (Wisconsin portion)				AR	
073. Rockford-Janesville-Beloit Interstate (Wisconsin portion)	X			AR	
128. Southeast Minnesota-La Crosse Interstate (Wisconsin portion)	X			AR	
129. Duluth-Superior Interstate (Wisconsin portion)				AR	
237. Lake Michigan	X			AR	
238. North Central Wisconsin	X			AR	
239. Southeastern Wisconsin	X	X	X	AR	
240. Southern Wisconsin	X			AR	

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A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

WISCONSIN

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

---

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	92	$2,308
Actual resources available in FY 1976	71	1,756

WISCONSIN

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
373	360	12	1

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	39
2. Field investigations..........................	575
TOTAL	614

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	0
2. Administrative orders issued..................	26
3. Civil/criminal proceedings initiated..........	14
TOTAL	40

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

EPA REGION VI

ARKANSAS
LOUISIANA
NEW MEXICO
OKLAHOMA
TEXAS

TABLE A

ARKANSAS

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
016. Central Arkansas	AR				
017. Metropolitan Ft. Smith Interstate (Arkansas portion)	AR				
018. Metropolitan Memphis Interstate (Arkansas portion)	AR				
019. Monroe-El Dorado Interstate (Arkansas portion)	AR				
020. Northeast Arkansas	AR				
021. Northwest Arkansas					
022. Shreveport-Texarkana-Tyler Interstate (Arkansas portion)					

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

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ARKANSAS

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	65	$1,226
Actual resources available in FY 1976	24	711

ARKANSAS

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
49	34	7	8

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	1
2. Field investigations..........................	86
TOTAL	87

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	1
2. Administrative orders issued..................	0
3. Civil/criminal proceedings initiated.........	0
TOTAL	1

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
LOUISIANA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
019. Monroe-El Dorado Interstate (Louisiana portion)					
022. Shreveport-Texarkana-Tyler Interstate (Louisiana portion)	AR				
106. Southern Louisiana-Southeast Texas Interstate (Louisiana portion)				AR	

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

LOUISIANA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Approved**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	72	$1,098
Actual resources available in FY 1976	22	711

LOUISIANA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
425	341	64	20

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	195
2. Field investigations..........................	276
TOTAL	471

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	0
2. Administrative orders issued..................	10
3. Civil/criminal proceedings initiated..........	0
TOTAL	10

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
NEW MEXICO

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
012. Arizona-New Mexico Southern Border Interstate (New Mexico portion)	AR	X			
014. Four Corners Interstate (New Mexico portion)	AR		AR		
152. Albuquerque-Mid Rio	AR		AR		
153. El Paso-Las Cruces-Alamogordo Interstate (New Mexico portion)	AR		MR		
154. Northeastern Plains					
155. Pecos-Permian Basin	AR		AR		
156. Southwestern Mountains-Augustine Plains					
157. Upper Rio Grande Valley	MR		AR		

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

NEW MEXICO

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Approval of SO_2 limits for coal burning equipment on 2/24/76 because of court action.**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	56	$1,197
Actual resources available in FY 1976	43	934

NEW MEXICO

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
34	18	6	10

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries....................	0
2. Field investigations........................	52
TOTAL	52

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	12
2. Administrative orders issued.................	4
3. Civil/criminal proceedings initiated..........	2
TOTAL	18

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

OKLAHOMA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

Pollutant AQCR	TSP	SO_2	CO	O_x	NO_2
017. Metropolitan Ft. Smith Interstate (Oklahoma portion)					
022. Shreveport-Texarkana-Tyler Interstate (Oklahoma portion)					
184. Central Oklahoma	X			X	
185. North Central Oklahoma					
186. Northeastern Oklahoma	X			X	
187. Northwestern Oklahoma	X				
188. Southeastern Oklahoma					
189. Southwestern Oklahoma					

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

OKLAHOMA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	120	$1,478
Actual resources available in FY 1976	57	1,036

OKLAHOMA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
120	103	12	5

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	46
2. Field investigations.........................	229
TOTAL	275

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	15
2. Administrative orders issued..................	2
3. Civil/criminal proceedings initiated..........	2
TOTAL	19

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

TEXAS

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

Pollutant AQCR	TSP	SO_2	CO	O_x	NO_2
022. Shreveport-Texarkana-Tyler Interstate (Texas portion)					
106. Southern Louisiana-Southeast Texas Interstate (Texas portion)	MR			X	
153. El Paso-Las Cruces-Alamogordo Interstate (Texas portion)	AR			X	
210. Abilene-Wichita Falls					
211. Amarillo-Lubbock	AR				
212. Austin-Waco				X	
213. Brownsville-Laredo	AR				
214. Corpus Christi-Victoria	AR			X	
215. Metropolitan Dallas-Fort Worth	AR			X	
216. Metropolitan Houston-Galveston	AR			X	
217. Metropolitan San Antonio	AR			X	
218. Midland-Odessa-San Angelo					

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

TEXAS

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**Measures being prepared for Austin-Waco, Corpus Christi, Houston-Galveston, Dallas, San Antonio, El Paso.**
Emission Limitations	**Stage I HC regulations for Houston-Galveston, Dallas-Ft. Worth, and San Antonio AQCRs went into effect 8/31/76.**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	**876**	**\$17,514**
Actual resources available in FY 1976	**474**	**9,963**

TEXAS

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
1,135	1,046	52	37

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	22
2. Field investigations..........................	1,079
TOTAL	1,101

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	238
2. Administrative orders issued..................	2
3. Civil/criminal proceedings initiated..........	3
TOTAL	243

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

EPA REGION VII

IOWA

KANSAS

MISSOURI

NEBRASKA

TABLE A
IOWA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
065. Burlington-Keokuk Interstate (Iowa portion)	X				
068. Metropolitan Dubuque Interstate (Iowa portion)					
069. Metropolitan Quad Cities (Iowa portion)	AR			X	
085. Metropolitan Omaha-Council Bluffs Interstate (Iowa portion)	AR		X	X	
086. Metropolitan Sioux City Interstate (Iowa portion)	X				
087. Metropolitan Sioux Falls Interstate (Iowa portion)	X				
088. Northeast Iowa	AR		X	X	
089. North Central Iowa	X				
090. Northwest Iowa					
091. Southeast Iowa	X				
092. South Central Iowa	AR		X	X	
093. Southwest Iowa					

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

IOWA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	68	$1,073
Actual resources available in FY 1976	42	998

IOWA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
392	244	9	139

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	4
2. Field investigations.........................	1,523
TOTAL	1,527

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	219
2. Administrative orders issued..................	25
3. Civil/criminal proceedings initiated..........	1
TOTAL	245

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

KANSAS

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
094. Metropolitan Kansas City Interstate (Kansas portion)	AR		X	X	
095. Northeast Kansas	X		X		
096. North Central Kansas	X				
097. Northwest Kansas	X			X	
098. Southeast Kansas					
099. South Central Kansas			X	X	
100. Southwest Kansas					

---

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KANSAS

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars (x10^3)
Resource needs projected for FY 1977	52	$868
Actual resources available in FY 1976	45	824

KANSAS

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
669	666	1	2

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	13
2. Field investigations..........................	4,901
TOTAL	4,914

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	106
2. Administrative orders issued..................	106
3. Civil/criminal proceedings initiated..........	2
TOTAL	214

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[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

TABLE A
MISSOURI

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
070. Metropolitan St. Louis Interstate (Missouri portion)	AR	AR	AR	AR	
094. Metropolitan Kansas City Interstate (Missouri portion)	AR		X	X	
137. Northern Missouri	X				
138. Southeast Missouri					
139. Southwest Missouri					

---

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MISSOURI

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**Measures submitted for St. Louis AQCR. Additional measures still required.**
Emission Limitations	**Approved**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	231	$3,854
Actual resources available in FY 1976	115	2,146

MISSOURI

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
259	246	13	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	69
2. Field investigations.........................	9,054
TOTAL	9,123

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	709
2. Administrative orders issued..................	33
3. Civil/criminal proceedings initiated..........	247
TOTAL	989

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
NEBRASKA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
085. Metropolitan Omaha-Council Bluffs Interstate (Nebraska portion)	AR		X	X	
086. Metropolitan Sioux City	X				
145. Lincoln-Beatrice-Fairbury	X		X		
146. Nebraska	X				

---

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NEBRASKA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	48	$856
Actual resources available in FY 1976	35	583

NEBRASKA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
390	325	9	56

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	109
2. Field investigations..........................	1,135
TOTAL	1,244

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	149
2. Administrative orders issued..................	10
3. Civil/criminal proceedings initiated..........	4
TOTAL	163

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

EPA REGION VIII

COLORADO
MONTANA
NORTH DAKOTA
SOUTH DAKOTA
UTAH
WYOMING

Preceding page blank

TABLE A

COLORADO

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
014. Four Corners Interstate (Colorado Portion)					
034. Comanche					
035. Grand Mesa	AR				
036. Metropolitan Denver	AR		AR	AR	MR
037. Pawnee	AR		AR	AR	
038. San Isabel	AR				
039. San Luis					
040. Yampa					

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COLORADO

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	Measures promulgated for Denver AQCR.
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	109	$2,278
Actual resources available in FY 1976	91	1,778

COLORADO

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
302	294	7	1

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	4
2. Field investigations..........................	981
TOTAL	985

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	31
2. Administrative orders issued..................	15
3. Civil/criminal proceedings initiated..........	1
TOTAL	47

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
MONTANA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
140. Billings	AR	AR	AR		
141. Great Falls	X				
142. Helena	X	X			
143. Miles City	AR				
144. Missoula	AR				

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

MONTANA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Proposal for SO_2 (10/75), approved for other pollutants.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	30	$705
Actual resources available in FY 1976	31	556

MONTANA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
48	40	7	1

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	0
2. Field investigations.........................	362
TOTAL	362

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	18
2. Administrative orders issued..................	10
3. Civil/criminal proceedings initiated..........	1
TOTAL	29

[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

TABLE A
NORTH DAKOTA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
130. Metropolitan Fargo-Moorhead Interstate (North Dakota portion)					
172. North Dakota					

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NORTH DAKOTA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	23	$256
Actual resources available in FY 1976	11	228

NORTH DAKOTA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
47	26	21	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	14
2. Field investigations..........................	174
TOTAL	188

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	9
2. Administrative orders issued..................	10
3. Civil/criminal proceedings initiated..........	0
TOTAL	19

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
SOUTH DAKOTA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
086. Metropolitan Sioux City Interstate (South Dakota portion)					
087. Metropolitan Sioux Falls Interstate (South Dakota portion)	MR				
205. Black Hills-Rapid City	AR				
206. South Dakota					

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"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

SOUTH DAKOTA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Approved**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	13	$245
Actual resources available in FY 1976	7	136

SOUTH DAKOTA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
46	8	35	3

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	0
2. Field investigations..........................	154
TOTAL	154

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued........	2
2. Administrative orders issued..................	5
3. Civil/criminal proceedings initiated..........	0
TOTAL	7

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
UTAH

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
014. Four Corners Interstate (Utah portion)					
219. Utah	AR				
220. Wasatch Front	AR				

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

UTAH

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	EPA promulgation of public comment provisions for NSR regulations for Wasatch Front AQCR.
Transportation Measures	EPA promulgation for Wasatch Front AQCR (11/73).
Emission Limitations	EPA promulgations for SO_2 and TSP (10/74 and 9/74), TSP promulgation (smelter) 11/75, approved for other pollutants.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	38	$636
Actual resources available in FY 1976	23	517

UTAH

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
94	77	15	2

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries.....................	1
2. Field investigations.........................	503
TOTAL	504

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	16
2. Administrative orders issued..................	4
3. Civil/criminal proceedings initiated..........	2
TOTAL	22

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[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

TABLE A
WYOMING

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
241. Casper					
242. Metropolitan Cheyenne					
243. Wyoming	AR				

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

WYOMING

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	19	$360
Actual resources available in FY 1976	15	358

WYOMING

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
77	73	4	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	5
2. Field investigations.........................	417
TOTAL	422

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	5
2. Administrative orders issued..................	0
3. Civil/criminal proceedings initiated..........	0
TOTAL	5

[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

EPA REGION IX

AMERICAN SAMOA
ARIZONA
CALIFORNIA
GUAM
HAWAII
NEVADA

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TABLE A

AMERICAN SAMOA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
245. American Samoa					

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[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

AMERICAN SAMOA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Approved**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977		
Actual resources available in FY 1976		

AMERICAN SAMOA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
No data	-	-	-

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	No data
2. Field investigations.........................	
TOTAL	-

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	No data
2. Administrative orders issued..................	
3. Civil/criminal proceedings initiated..........	
TOTAL	-

---

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
ARIZONA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
012. Arizona-New Mexico-Southern Border Interstate (Arizona portion)	X	Z			
013. Clark-Mohavé Interstate (Arizona portion)	X				
014. Four Corners Interstate (Arizona portion)	X				
015. Phoenix-Tucson	X	Z	AR	AR	

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

"Z" indicates non-attainment of an applicable NAAQS, but EPA will promulgate replacement regulations.

ARIZONA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved, except for Pima County.
Transportation Measures	Measures in effect for Phoenix-Tucson AQCR.
Emission Limitations	EPA promulgations for SO_2 (3/73 and 3/74), TSP (5/73), proposal for SO_2 from smelters (10/75), approved for other pollutants.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	130	$1,914
Actual resources available in FY 1976	66	1,788

ARIZONA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
394	371	10	13

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	2
2. Field investigations..........................	6,258
TOTAL	6,260

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	103
2. Administrative orders issued..................	2
3. Civil/criminal proceedings initiated..........	38
TOTAL	143

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
CALIFORNIA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR / Pollutant	TSP	SO_2	CO	O_x	NO_2
023. Great Basin Valley					
024. Metropolitan Los Angeles	AR		X	X	AR
025. North Central Coast	X			X	
026. North Coast	X				
027. Northeast Plateau	X				
028. Sacramento Valley	AR		AR	X	
029. San Diego	AR		AR	X	
030. San Franscisco Bay Area	AR		AR	X	
031. San Joaquin Valley	AR		AR	X	
032. South Central Coast	X			X	
033. Southeast Desert	AR			X	

---

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A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

CALIFORNIA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	EPA promulgation (4/73) for part of state.
Transportation Measures	Measures in effect for San Diego, Los Angeles, San Joaquin Valley, Sacramento Valley and San Francisco Bay Area AQCRs. Extension of final compliance date for Stage I vapor recovery controls on 3/4/76 for specified sources.
Emission Limitations	EPA proposals for TSP (9/22/72), approved for other pollutants.

---

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars $(x10^3)$
Resource needs projected for FY 1977	1,270	$34,870
Actual resources available in FY 1976	1,184	31,044

CALIFORNIA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
1,637	1,545	34	58

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	8,304
2. Field investigations.........................	52,105
TOTAL	60,409

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	4,398
2. Administrative orders issued..................	13
3. Civil/criminal proceedings initiated..........	1,602
TOTAL	6,013

---

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
GUAM

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
246. Guam	X				

---

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

GUAM

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	None required
Emission Limitations	Approved

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	8	$143
Actual resources available in FY 1976	8	119

GUAM

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
8	4	4	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	0
2. Field investigations.........................	44
TOTAL	44

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	
2. Administrative orders issued.................	No data
3. Civil/criminal proceedings initiated..........	
TOTAL	-

---

[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A

HAWAII

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
060. Hawaii	X	AR			

---

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"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

HAWAII

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Approved**

---

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	29	$420
Actual resources available in FY 1976	12	407

HAWAII

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
96	95	0	1

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	2
2. Field investigations..........................	354
TOTAL	356

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	15
2. Administrative orders issued..................	9
3. Civil/criminal proceedings initiated..........	0
TOTAL	24

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
NEVADA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
013. Clark-Mohave Interstate (Nevada portion)	X		AR	AR	
147. Nevada	X	Y			
148. Northwest Nevada	X		AR		

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

"Y" indicates an adequate SIP, smelter closed.

NEVADA

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**EPA promulgation (4/73) for Washoe County.**
Transportation Measures	**Measures in effect for Clark County.**
Emission Limitations	**EPA promulgation for SO_2 (2/75), disapproved for TSP (no promulgation to date), approved for other pollutants.**

[a] Section 51,18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars $(x10^3)$
Resource needs projected for FY 1977	**39**	**$618**
Actual resources available in FY 1976	**29**	**528**

NEVADA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
79	65	7	7

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	222
2. Field investigations..........................	1,366
TOTAL	1,588

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	87
2. Administrative orders issued..................	26
3. Civil/criminal proceedings initiated..........	31
TOTAL	144

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

EPA REGION X

ALASKA
IDAHO
OREGON
WASHINGTON

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TABLE A

ALASKA

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
008. Cook Inlet	X		X		
009. Northern Alaska	X[2]		X		
010. South Central Alaska					
011. Southeastern Alaska	X				

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

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"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

[2] Secondary standard only.

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	Approved
Transportation Measures	EPA promulgation for Northern Alaska AQCR.
Emission Limitations	Revisions needed for CO, approved for other pollutants.

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($\times 10^3$)
Resource needs projected for FY 1977	15	$622
Actual resources available in FY 1976	16	489

ALASKA

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
78	77	1	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	22
2. Field investigations.........................	165
TOTAL	187

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	40
2. Administrative orders issued..................	2
3. Civil/criminal proceedings initiated..........	16
TOTAL	58

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[a] "Formal Reporting System - State Activity Report,"
EPA Office of Planning and Management,
Program Reporting Division, June 30, 1976.
Number represent state and local enforcement activity.

TABLE A
IDAHO

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
061. Eastern Idaho	AR	AR			
062. Eastern Washington-Northern Idaho Interstate (Idaho portion)	AR	X			
063. Idaho	X				
064. Metropolitan Boise	X		X[2]		

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

[2] Preliminary analysis; data base inadequate to serve as basis of control strategy development.

IDAHO

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**None required**
Emission Limitations	**Disapproval of SO_2 regulations for acid plant at J. R. Simplot & Co. on 6/9/76.**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	**31**	**$615**
Actual resources available in FY 1976	**19**	**447**

IDAHO

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
101	99	2	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries......................	5
2. Field investigations..........................	290
TOTAL	295

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued.........	11
2. Administrative orders issued..................	0
3. Civil/criminal proceedings initiated..........	4
TOTAL	15

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
OREGON

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

AQCR \ Pollutant	TSP	SO_2	CO	O_x	NO_2
190. Central Oregon	X[2]				
191. Eastern Oregon	X[2]				
192. Northwest Oregon					
193. Portland Interstate (Oregon portion)	AR		AR	AR	
194. Southwest Oregon	AR[2]				

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

[2] Secondary standard only.

OREGON

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approval if Indirect Source Plan on 2/4/76.**
Transportation Measures	**Approved**
Emission Limitations	**Approved**

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[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars ($x10^3$)
Resource needs projected for FY 1977	**229**	**$3,834**
Actual resources available in FY 1976	**130**	**2,126**

OREGON

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
360	346	14	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)

1. Formal written inquiries	0
2. Field investigations	479
TOTAL	479

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)

1. Notices/citations of violation issued	12
2. Administrative orders issued	3
3. Civil/criminal proceedings initiated	9
TOTAL	24

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

TABLE A
WASHINGTON

Attainment Status of National Ambient Air Quality Standards by Air Quality Control Region[1]

Pollutant AQCR	TSP	SO_2	CO	O_x	NO_2
062. Eastern Washington-Northern Idaho Interstate (Washington portion)	X		X	X	
193. Portland Interstate (Washington portion)	X[4]			X	
227. Northern Washington	X				
228. Olympia-Northwest Washington	X[2]	X[3]			
229. Puget Sound	X[2]		X	X	
230. South Central Washington	X				

---

[1] "X" indicates non-attainment of an applicable NAAQS, but no call for a SIP revision.

"AR" indicates non-attainment of an applicable NAAQS and a call for a SIP revision for attainment and maintenance.

"MR" indicates attainment of an applicable NAAQS, however, a SIP revision for maintenance is necessary.

A blank indicates attainment of an applicable NAAQS and no calls for SIP revisions.

[2] Secondary standard only.

[3] Preliminary analysis; data base inadequate to serve as a basis of control strategy development.

[4] Primary standard violation from non-SIP monitor--source oriented.

WASHINGTON

Table B. STATUS OF SELECTED PORTIONS OF THE STATE IMPLEMENTATION PLAN

SIP Portion	Status
New Source Review[a]	**Approved**
Transportation Measures	**Promulgations for Seattle and Spokane AQCRs.**
Emission Limitations	**Approved**

[a] Section 51.18 only because PSD is disapproved nationwide. See section on new source review in SIP Overview for more details.

Table C. COMPARISON OF FY 1977 PROJECTED NEEDS AND ACTUAL FY 1976 RESOURCES

Resources	Man-years	Dollars $(\times10^3)$
Resource needs projected for FY 1977	280	$5,592
Actual resources available in FY 1976	121	3,023

WASHINGTON

Table D. SUMMARY OF STATE ENFORCEMENT ACTIVITY (June 30, 1976)[a]

MAJOR INSTALLATIONS (Facilities capable of emitting over 100 tons of a pollutant each year)	Status with respect to emission limits and/or compliance schedules		
	In compliance	In violation	Unknown
261	254	7	0

INVESTIGATIONS OF COMPLIANCE STATUS 97/1/75 to 6/30/76)	
1. Formal written inquiries......................	0
2. Field investigations..........................	290
TOTAL	290

CASE DEVELOPMENT ACTIONS (7/1/75 to 6/30/76)	
1. Notices/citations of violation issued.........	1,285
2. Administrative orders issued..................	5
3. Civil/criminal proceedings initiated..........	680
TOTAL	1,970

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[a] "Formal Reporting System - State Activity Report," EPA Office of Planning and Management, Program Reporting Division, June 30, 1976. Number represent state and local enforcement activity.

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(Please read Instructions on the reverse before completing)

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15. SUPPLEMENTARY NOTES

16. ABSTRACT

This report presents data for each state on the attainment/non-attainment status and calls for revision to the State Implementation Plan (SIPs) by Air Quality Control Region (AQCR) and state portion of interstate AQCRs for all criteria pollutants, status of selected portions of the State Implementation Plans, resources (manpower and funding), and compliance status of selected source categories. One hundred twenty-four AQCRs or state portions have attained the TSP standard, 256 the SO_2 standard, 233 the CO standard, 143 the oxidant standard and 308 the NO_2 standard. The other AQCRs or state portions require either SIP revisions for attainment and maintenance, SIP revisions for maintenance only, or require no revision but are classified as non-attainment areas. Since the last report in this series (EPA-450/2-76-006, April 1976), the number of major emitters identified has increased to 21,930; 90 percent of these are now in compliance with either an emission standard or an acceptable compliance schedule.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Air Pollution Air Quality Monitoring Air Quality Standards State Implementation Plans Enforcement		

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